

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031427.D
 Acq On : 22 Jan 2018 22:27
 Operator : SY/AP
 Sample : J1089-09
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Manual Integrations
 APPROVED

MMDadoda
 1/24/2018 5:10:23 PM

Quant Time: Jan 23 10:26:56 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 2018
 QLast Update : Mon Jan 22 17:52:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.90	49	1205423	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.44	114	2730302	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2639952	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2203725	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.17	85	34840	0.20	ppbv	91
3) Chlorodifluoromethane	3.11	51	21035	0.13	ppbv	99
4) Chloromethane	3.27	50	10126	0.14	ppbv	94
5) Vinyl Chloride	3.40	62	9570	0.14	ppbv	90
6) Bromomethane	3.62	94	7079m	0.14	ppbv	
7) Chloroethane	3.72	64	4167	0.14	ppbv #	78
8) Dichlorotetrafluoroethane	3.32	85	27684	0.15	ppbv	97
9) Propene	3.14	41	7465m	0.13	ppbv	
10) Heptane	8.40	43	15464	0.09	ppbv	98
11) Trichlorofluoromethane	4.13	101	32017	0.14	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.68	101	21004	0.15	ppbv	99
13) Ethanol	3.79	45	4070m	0.24	ppbv	
14) Bromoethene	3.90	108	7728m	0.13	ppbv	
15) Acetone	4.04	43	32716	0.20	ppbv	93
16) 1,3-Butadiene	3.47	39	8168	0.12	ppbv	97
17) tert-Butyl alcohol	4.52	59	11346m	0.15	ppbv	
18) 1,1-Dichloroethene	4.48	96	8646	0.14	ppbv	85
19) Isopropyl Alcohol	4.18	45	13096	0.13	ppbv #	96
20) Methylene Chloride	4.54	84	16663	0.27	ppbv	94
21) Allyl Chloride	4.61	41	12055	0.13	ppbv #	84
22) trans-1,2-Dichloroethene	5.10	96	9777m	0.15	ppbv	
23) Vinyl Acetate	5.30	43	19323	0.10	ppbv #	93
24) 1,1-Dichloroethane	5.22	63	21661	0.13	ppbv	98
25) Ethyl Acetate	5.92	43	34292m	0.12	ppbv	
26) Hexane	5.92	57	15049m	0.12	ppbv	
27) Carbon Disulfide	4.76	76	19510	0.12	ppbv #	77
28) Methyl tert-Butyl Ether	5.28	73	17103	0.11	ppbv	100
29) Chloroform	5.98	83	28607m	0.13	ppbv	
30) Cyclohexane	7.41	84	15936m	0.16	ppbv	
31) cis-1,2-Dichloroethene	5.78	61	13662	0.11	ppbv #	77
32) 1,1,1-Trichloroethane	6.77	97	25324	0.12	ppbv	90
34) 2-Butanone	5.49	43	17458	0.10	ppbv	95
35) Carbon Tetrachloride	7.29	117	27959	0.13	ppbv	95
36) Benzene	7.16	78	27683	0.11	ppbv	98
37) 1,2-Dichloroethane	6.56	62	23374	0.12	ppbv #	97
38) Trichloroethene	8.12	130	13941m	0.15	ppbv	
39) 1,2-Dichloropropane	7.89	63	10287	0.11	ppbv #	81
40) 1,4-Dioxane	8.20	88	3665m	0.10	ppbv	
41) Tetrahydrofuran	6.34	42	9790m	0.10	ppbv	
42) Bromodichloromethane	8.07	83	28393m	0.13	ppbv	
43) Methyl Methacrylate	8.30	69	7761m	0.09	ppbv	

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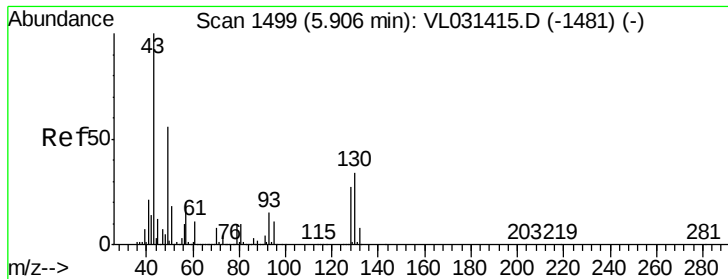
Manual Integrations
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Quant Time: Jan 23 10:26:56 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 2018
 QLast Update : Mon Jan 22 17:52:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	37939	0.09	ppbv	# 82
45) t-1,3-Dichloropropene	9.58	75	11038m	0.09	ppbv	
46) cis-1,3-Dichloropropene	9.00	75	13807m	0.09	ppbv	
47) 1,1,2-Trichloroethane	9.78	97	13511m	0.13	ppbv	
48) Dibromochloromethane	10.61	129	20952m	0.11	ppbv	
49) Bromoform	13.37	173	15654m	0.11	ppbv	
50) 4-Methyl-2-Pentanone	9.07	43	22133m	0.10	ppbv	
51) 2-Hexanone	10.47	43	16650m	0.08	ppbv	
52) Tetrachloroethene	11.54	164	11520	0.13	ppbv	# 75
53) Toluene	10.11	91	24452m	0.09	ppbv	
54) 1,2-Dibromoethane	10.93	107	18753m	0.11	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.45	131	17248m	0.14	ppbv	
57) Chlorobenzene	12.47	112	31136	0.14	ppbv	91
58) Ethyl Benzene	13.03	91	35246	0.09	ppbv	90
59) m/p-Xylene	13.32	91	64134m	0.19	ppbv	
60) o-Xylene	14.02	91	28175m	0.09	ppbv	
61) Styrene	13.85	104	5969m	0.08	ppbv	
62) Isopropylbenzene	14.99	105	41431	0.10	ppbv	97
63) 1,1,2,2-Tetrachloroethane	14.00	83	27998m	0.12	ppbv	
64) n-propylbenzene	15.89	120	9526m	0.09	ppbv	
65) tert-Butylbenzene	17.08	119	30391m	0.08	ppbv	
66) Benzyl Chloride	17.32	91	3786m	0.10	ppbv	
67) sec-Butylbenzene	17.63	105	46588	0.09	ppbv	96
69) p-Isopropyltoluene	17.98	119	35279m	0.09	ppbv	
70) n-Butylbenzene	18.89	91	38238	0.09	ppbv	97
71) 2-Chlorotoluene	15.79	91	29474m	0.09	ppbv	
72) 4-Ethyltoluene	16.18	105	28876m	0.09	ppbv	
73) 1,3,5-Trimethylbenzene	16.32	105	25340m	0.08	ppbv	
74) 1,2,4-Trimethylbenzene	17.09	105	30507m	0.09	ppbv	
75) 1,3-Dichlorobenzene	17.34	146	30352m	0.14	ppbv	
76) 1,4-Dichlorobenzene	17.48	146	25919m	0.13	ppbv	
77) 1,2-Dichlorobenzene	18.16	146	23871	0.12	ppbv	96
78) Hexachloro-1,3-Butadiene	23.70	225	13698m	0.19	ppbv	
79) Naphthalene	22.62	128	17449m	0.08	ppbv	
80) Naphthalene, 2-methyl-	25.26	142	3925	0.07	ppbv	94
81) 1,2,4-Trichlorobenzene	22.34	180	13148m	0.12	ppbv	

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.90 min Scan# 1498

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

Tot Ion: 49 Resp: 1205423

Ion Ratio Lower Upper

49 100

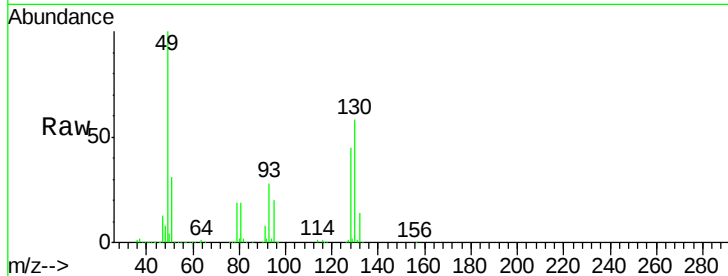
128 45.5 23.5 70.6

130 58.5 29.9 89.7

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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

5.90

800000

600000

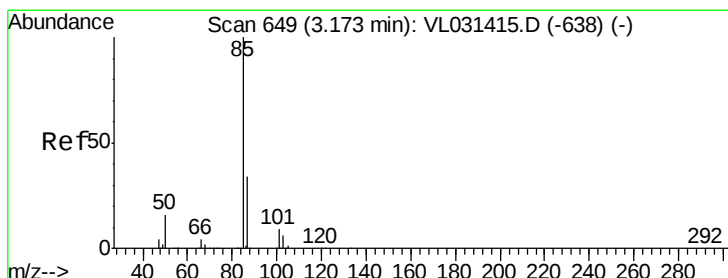
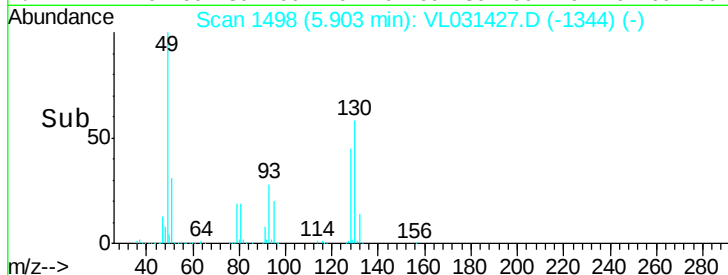
400000

200000

0

5.80 5.85 5.90 5.95 6.00

Time-->



#2

Dichlorodifluoromethane

Concen: 0.20 ppbv

RT: 3.17 min Scan# 649

Delta R.T. -0.00 min

Lab File: VL031427.D

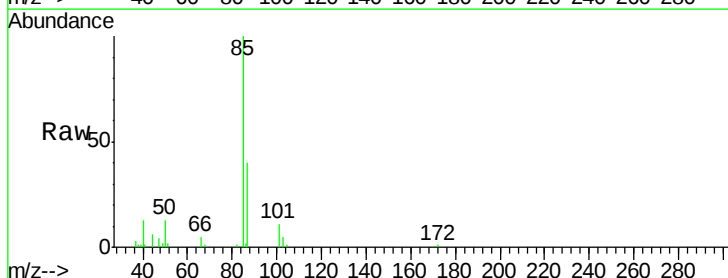
Acq: 22 Jan 2018 22:27

Tgt Ion: 85 Resp: 34840

Ion Ratio Lower Upper

85 100

87 39.6 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.17

30000

25000

20000

15000

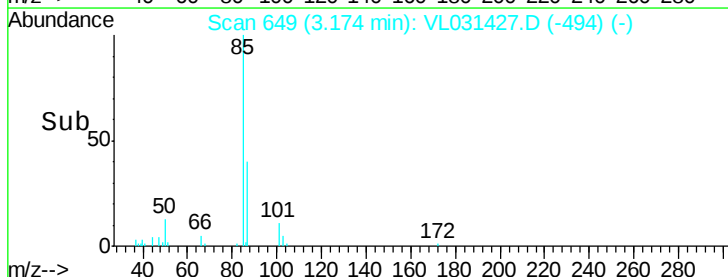
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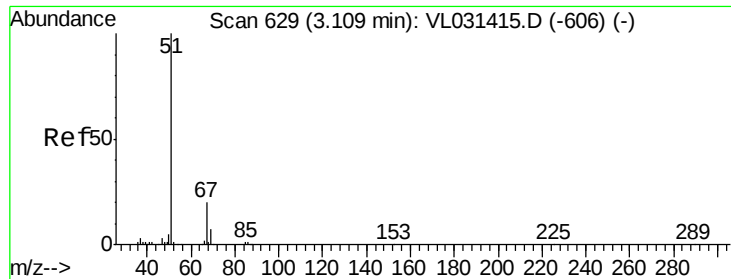
5000

0

3.15 3.20

Time-->





#3

Chlorodifluoromethane

Concen: 0.13 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

Tot Ion: 51 Resp: 21035

Ion Ratio Lower Upper

51 100

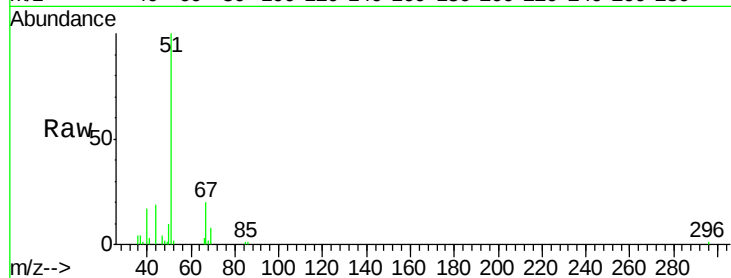
67 20.5 16.0 24.0

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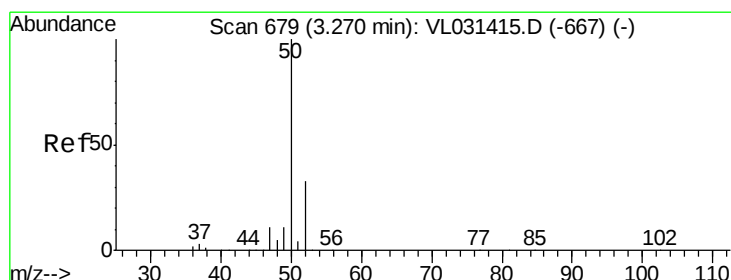
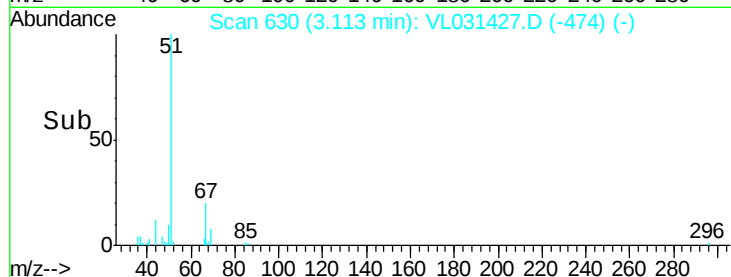
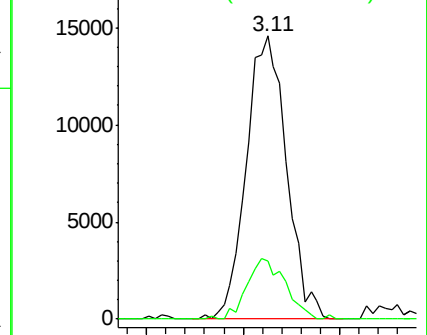
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.14 ppbv

RT: 3.27 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL031427.D

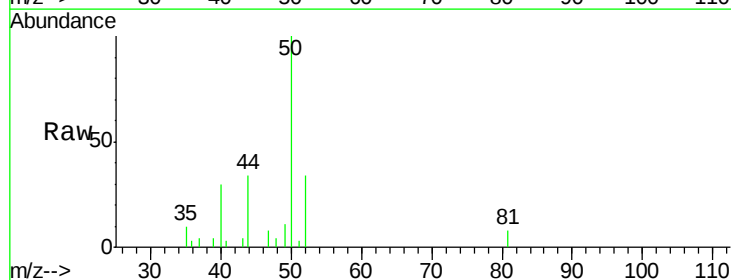
Acq: 22 Jan 2018 22:27

Tgt Ion: 50 Resp: 10126

Ion Ratio Lower Upper

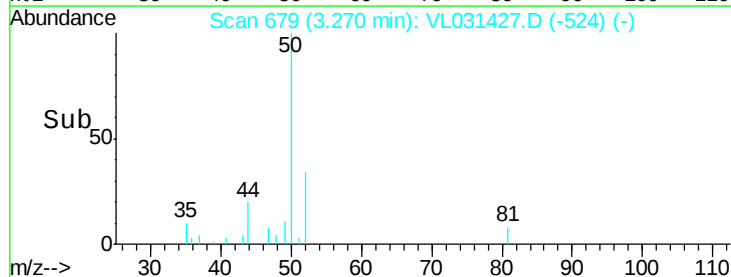
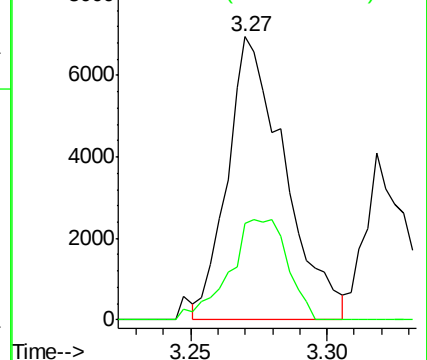
50 100

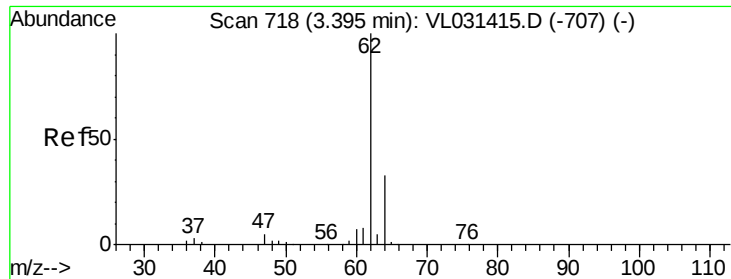
52 36.3 26.4 39.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.14 ppbv

RT: 3.40 min Scan# 719

Delta R.T. 0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampled :

MDL-AIR-2

Tot Ion: 62 Resp: 9570

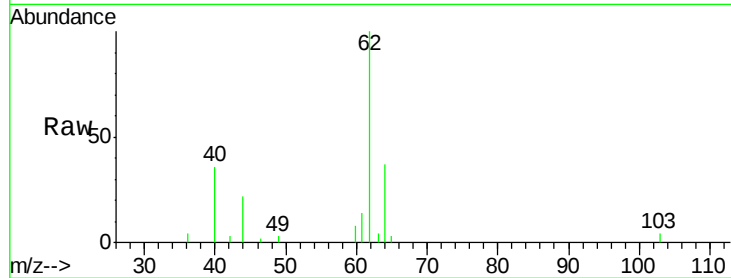
Ion Ratio Lower Upper

62 100

64 37.1 25.4 38.0

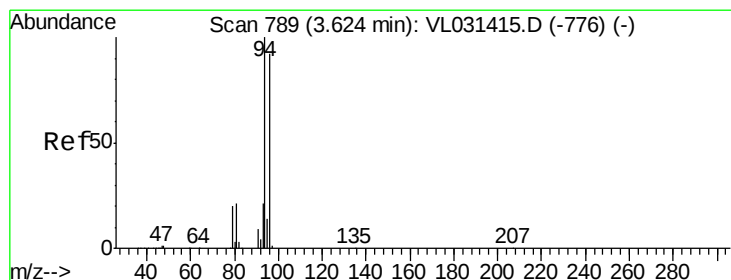
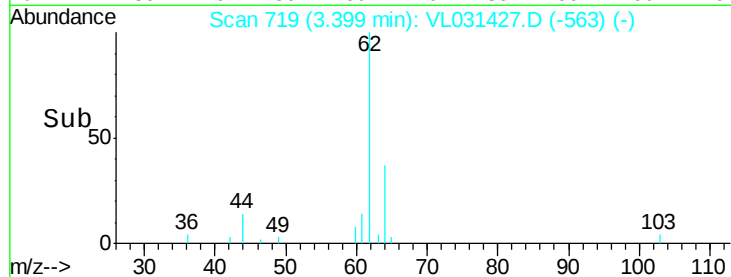
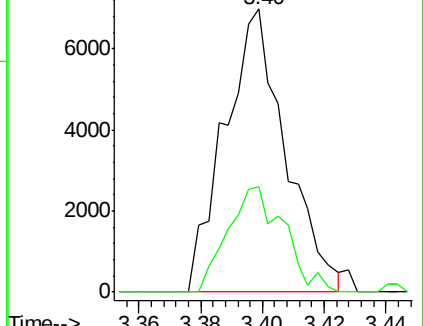
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.14 ppbv m

RT: 3.62 min Scan# 789

Delta R.T. -0.00 min

Lab File: VL031427.D

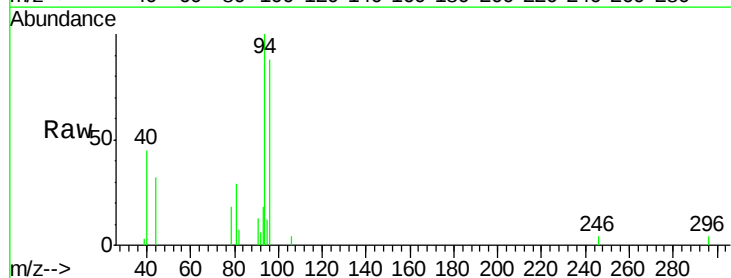
Acq: 22 Jan 2018 22:27

Tgt Ion: 94 Resp: 7079

Ion Ratio Lower Upper

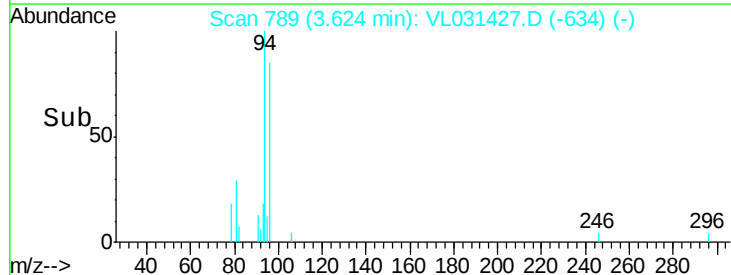
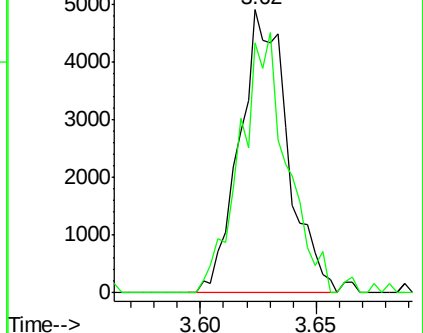
94 100

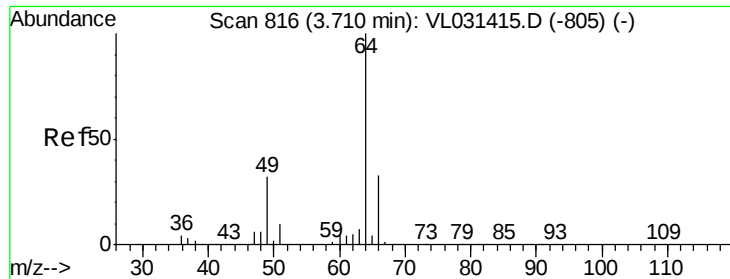
96 88.2 75.1 112.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.14 ppbv

RT: 3.72 min Scan# 818

Delta R.T. 0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

Tot Ion: 64 Resp: 4167

Ion Ratio Lower Upper

64 100

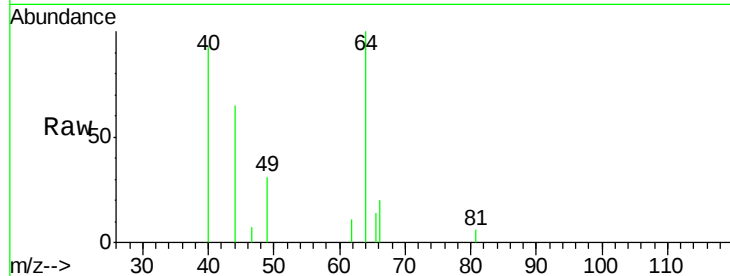
66 20.5 26.3 39.5#

Manual Integrations

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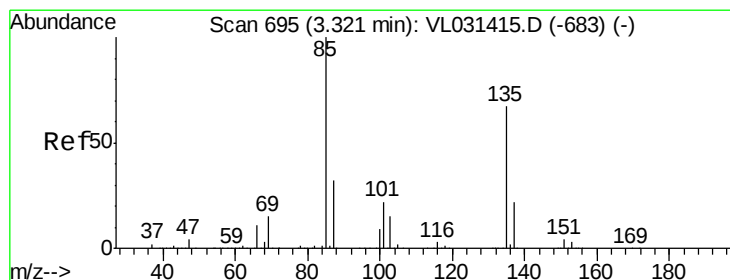
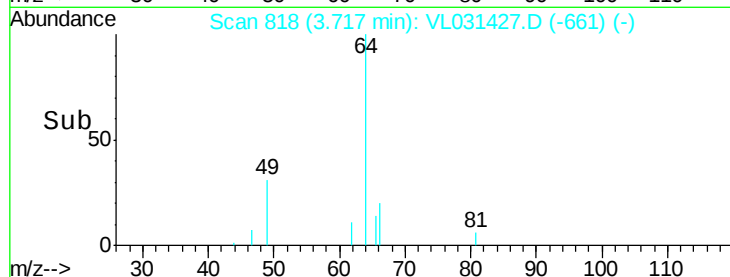
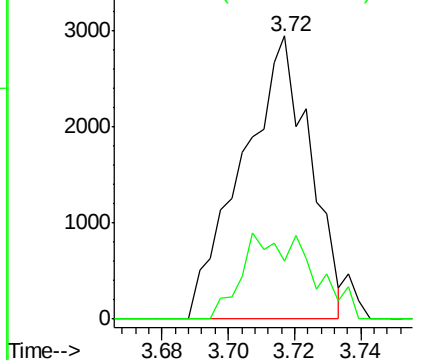
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.15 ppbv

RT: 3.32 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL031427.D

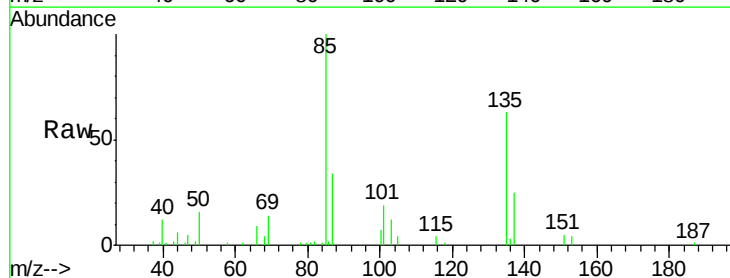
Acq: 22 Jan 2018 22:27

Tgt Ion: 85 Resp: 27684

Ion Ratio Lower Upper

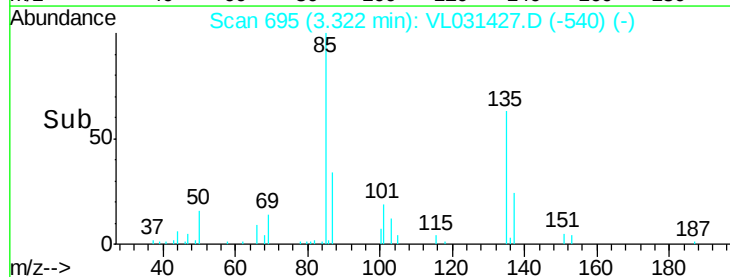
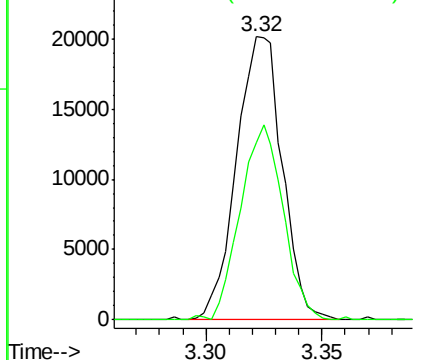
85 100

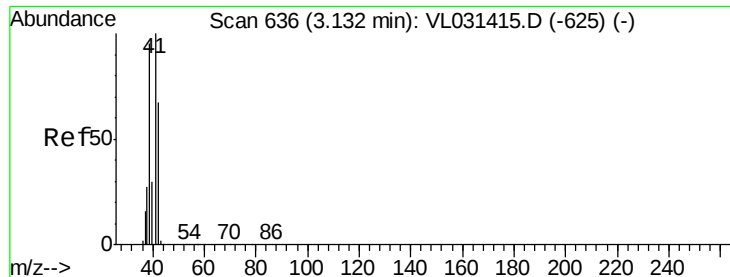
135 64.5 53.3 79.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

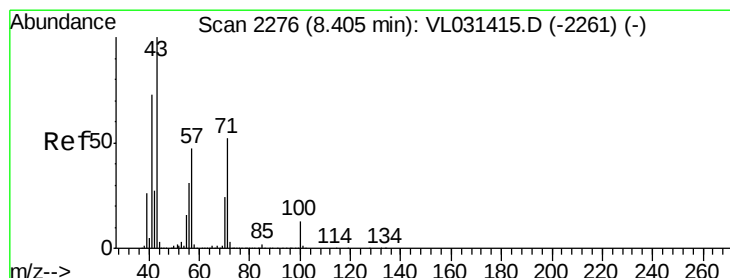
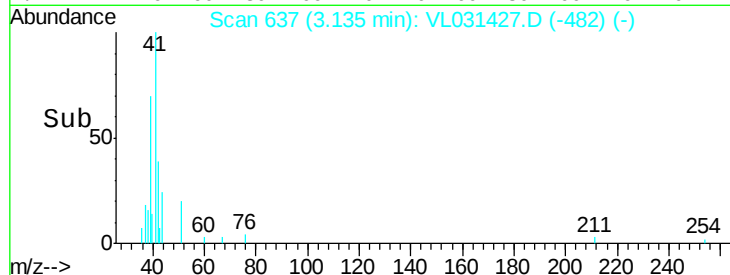
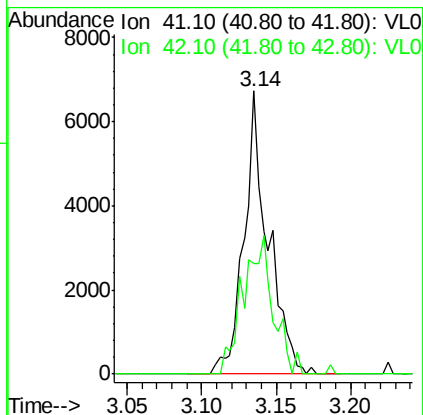
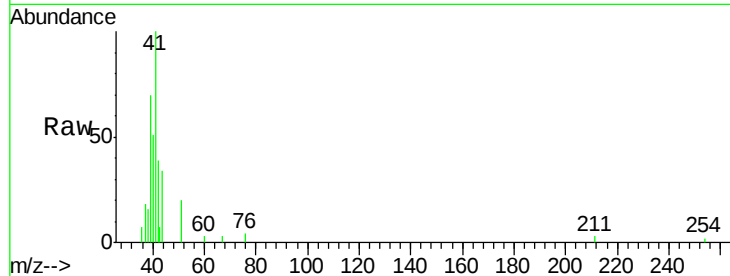
Concen: 0.13 ppbv m
 RT: 3.14 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Tot Ion	41	Resp	7465
Ion	Ratio	Lower	Upper
41	100		
42	0.0	54.6	82.0#

Manual Integrations
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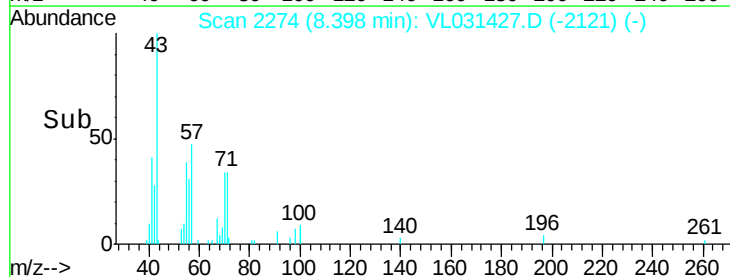
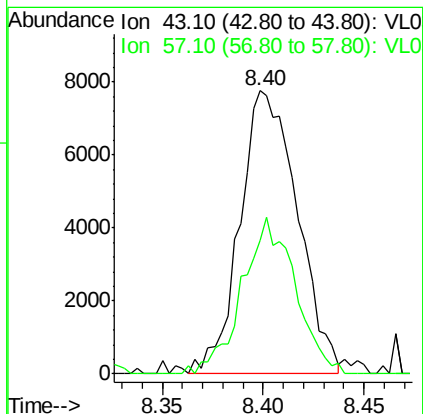
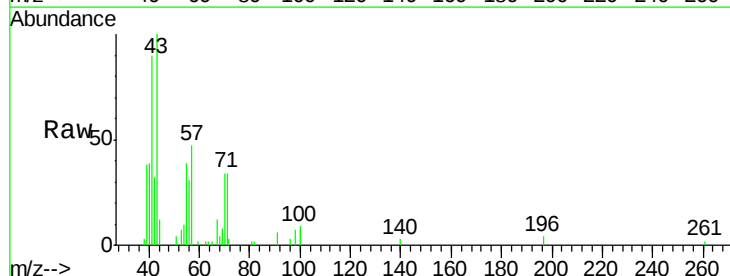


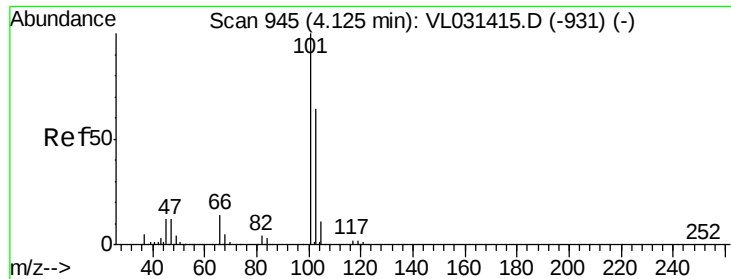
#10

Heptane

Concen: 0.09 ppbv
 RT: 8.40 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion	43	Resp	15464
Ion	Ratio	Lower	Upper
43	100		
57	50.9	39.7	59.5





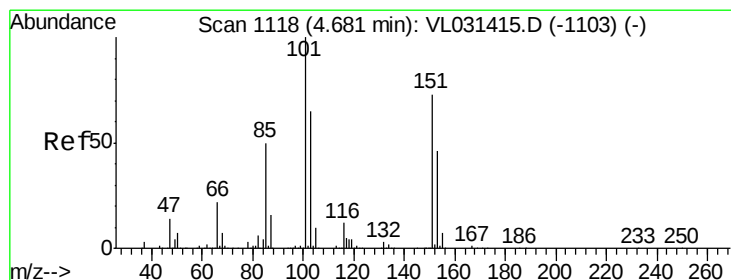
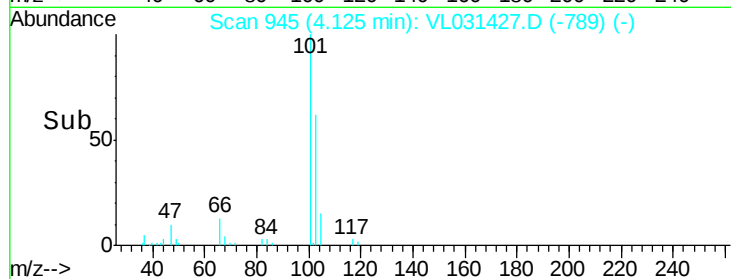
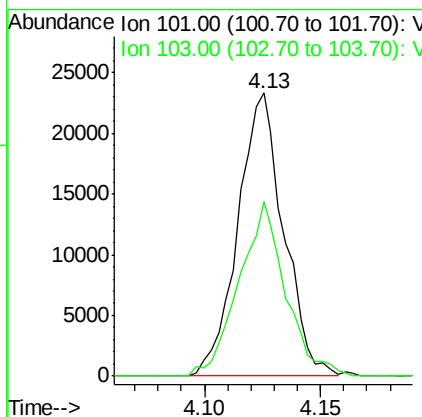
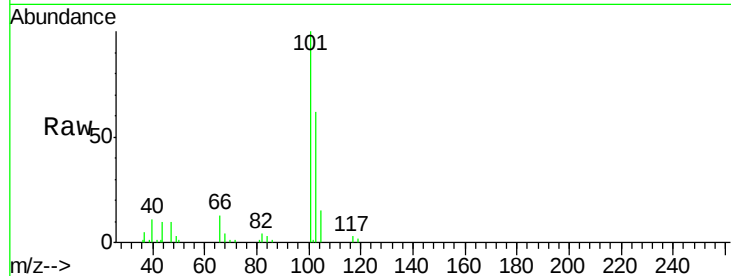
#11
 Trichlorofluoromethane
 Concen: 0.14 ppbv
 RT: 4.13 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	53.1	79.7

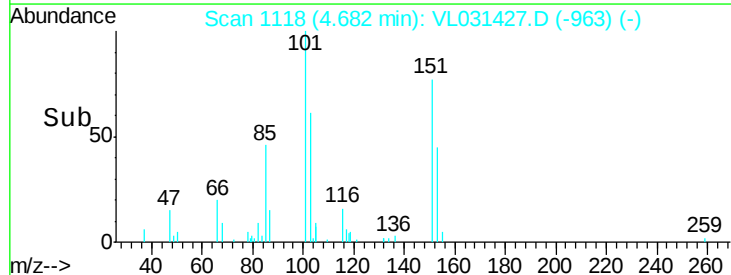
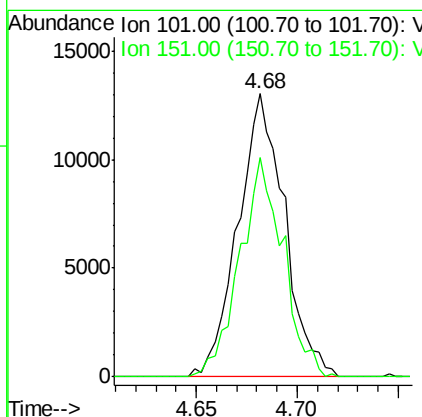
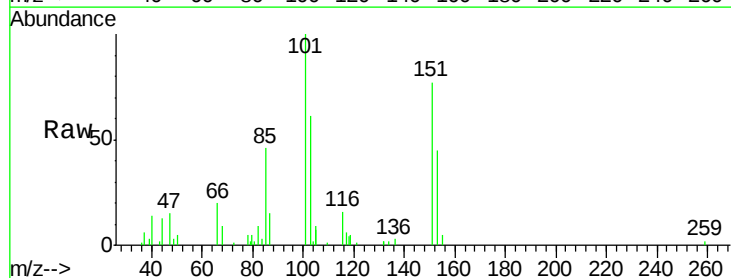
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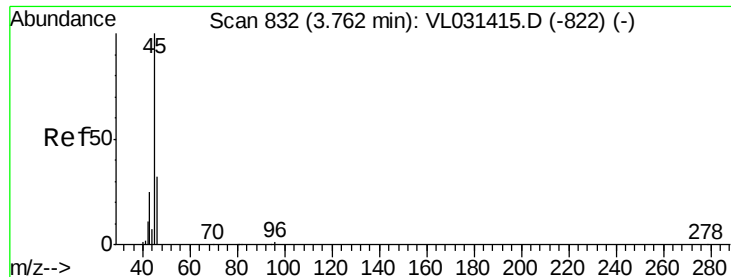
MMDadoda
 1/24/2018 5:10:23 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.15 ppbv
 RT: 4.68 min Scan# 1118
 Delta R.T. -0.00 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
101	100		
151	72.1	58.1	87.1





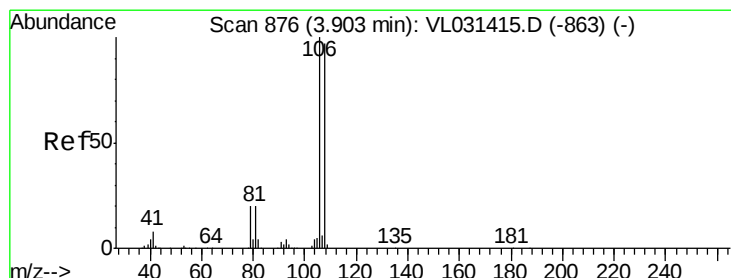
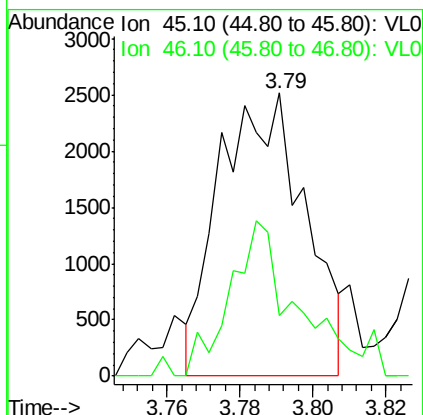
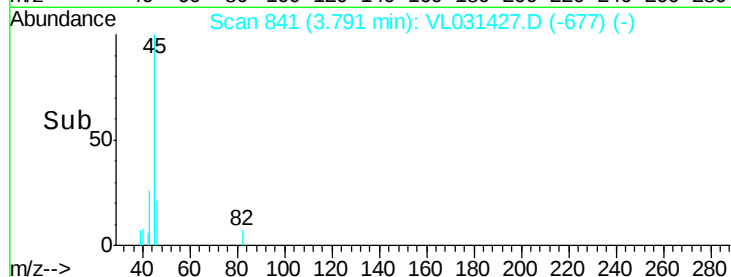
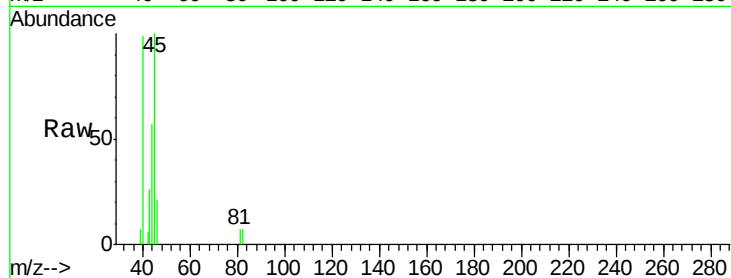
#13
Ethanol
Concen: 0.24 ppbv m
RT: 3.79 min Scan# 841
Delta R.T. 0.03 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-2

Tot Ion	45	46	Ratio	Lower	Upper
Resp:	4070				
Ion	45	46	100		
Ratio		45.5		14.9	59.5

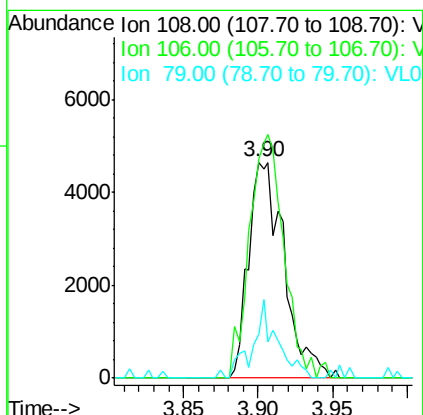
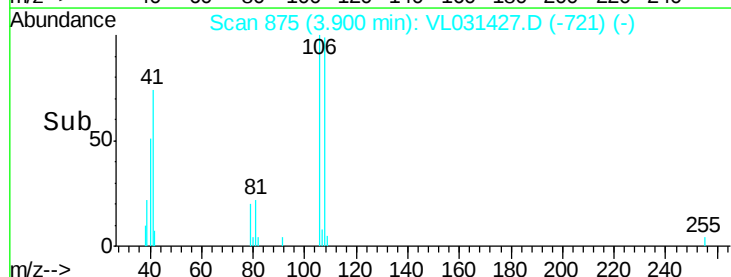
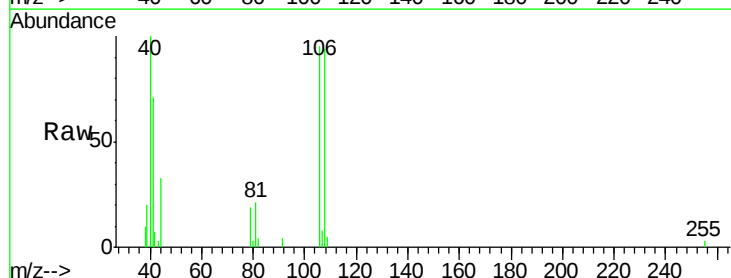
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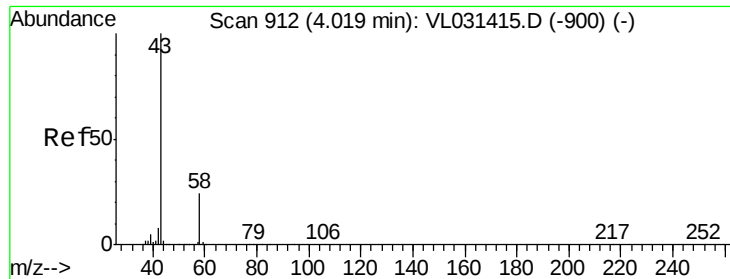
MMDadoda
1/24/2018 5:10:23 PM



#14
Bromoethene
Concen: 0.13 ppbv m
RT: 3.90 min Scan# 875
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion	108	106	79	Ratio	Lower	Upper
Resp:	7728					
Ion	108	106	79	100		
Ratio		109.1	24.8		85.3	127.9
Lower					16.8	25.2





#15

Acetone

Concen: 0.20 ppbv

RT: 4.04 min Scan# 920

Delta R.T. 0.02 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

Tot Ion: 43 Resp: 32716

Ion Ratio Lower Upper

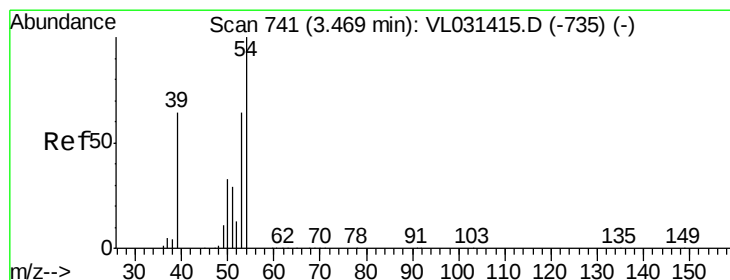
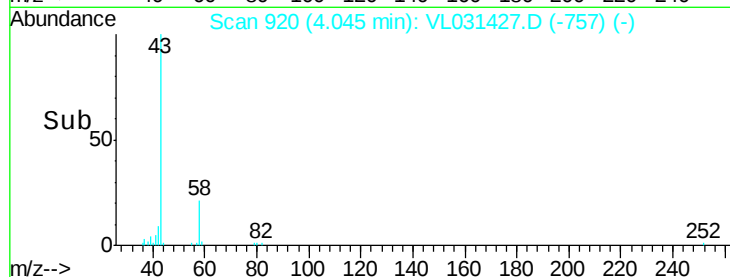
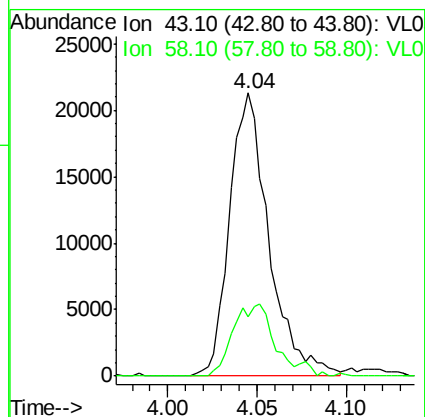
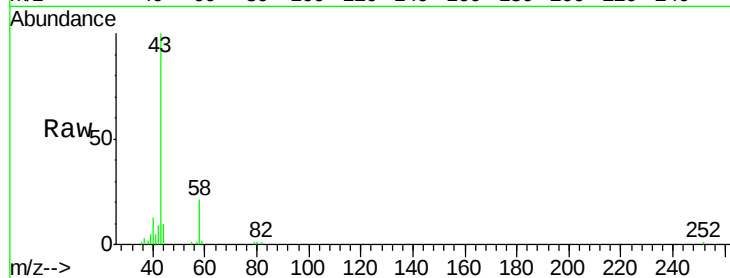
43 100

58 27.8 19.4 29.2

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#16

1,3-Butadiene

Concen: 0.12 ppbv

RT: 3.47 min Scan# 741

Delta R.T. -0.00 min

Lab File: VL031427.D

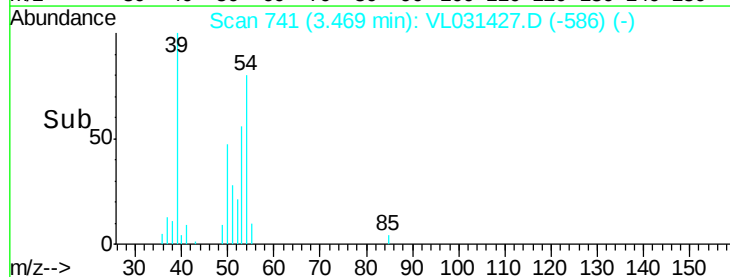
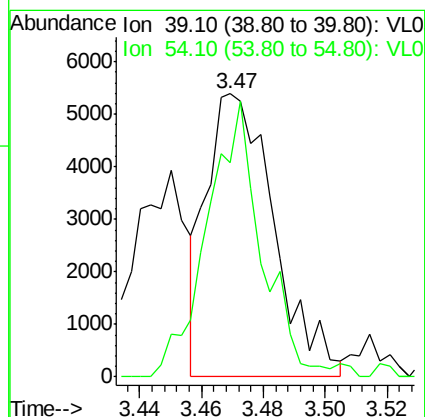
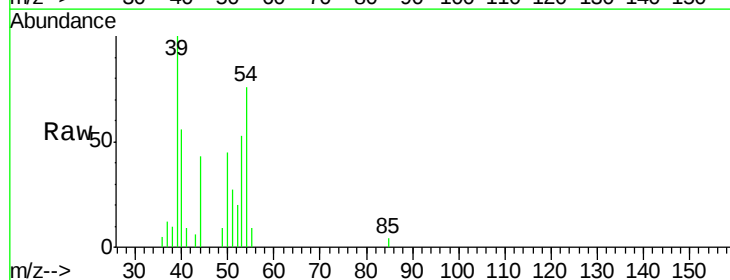
Acq: 22 Jan 2018 22:27

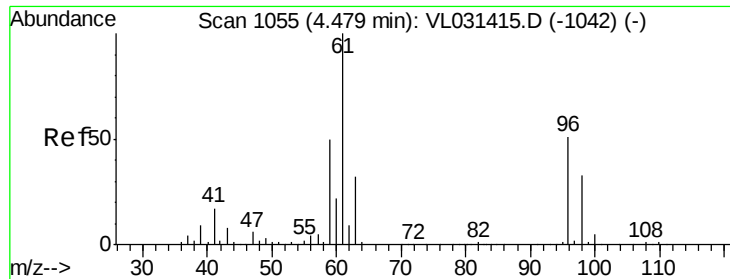
Tgt Ion: 39 Resp: 8168

Ion Ratio Lower Upper

39 100

54 80.6 67.0 100.6





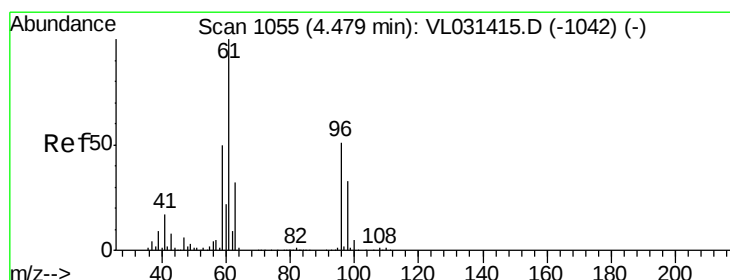
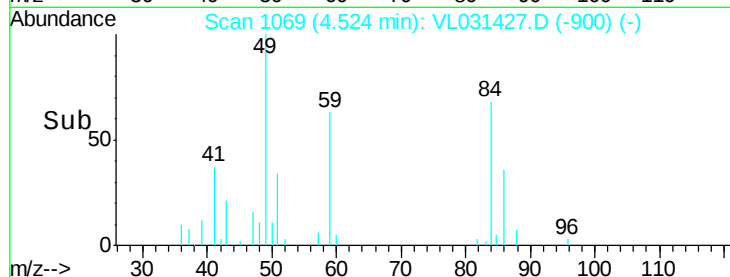
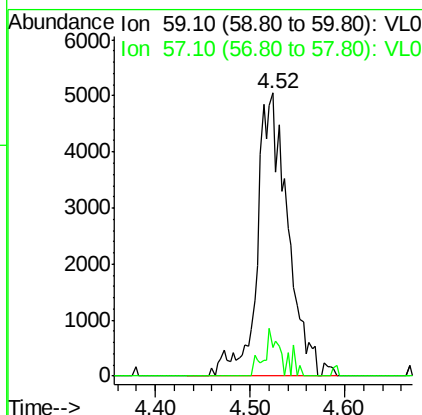
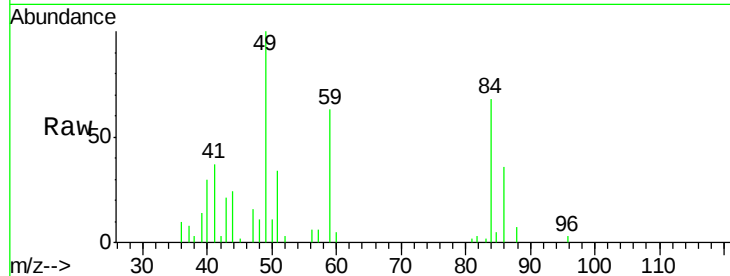
#17
tert-Butyl alcohol
Concen: 0.15 ppbv m
RT: 4.52 min Scan# 1069
Delta R.T. 0.04 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-2

Tot Ion: 59 Resp: 11346
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

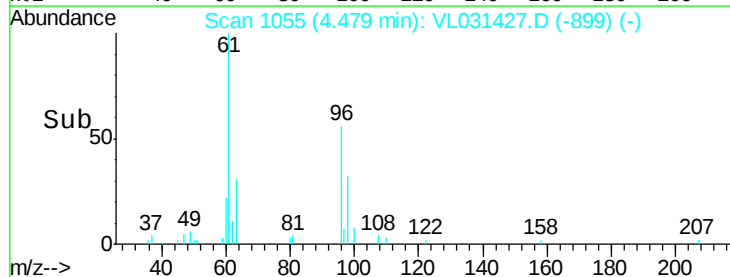
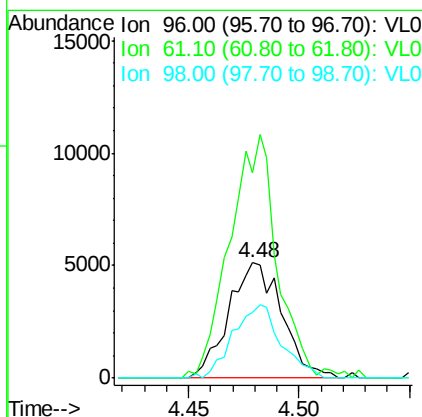
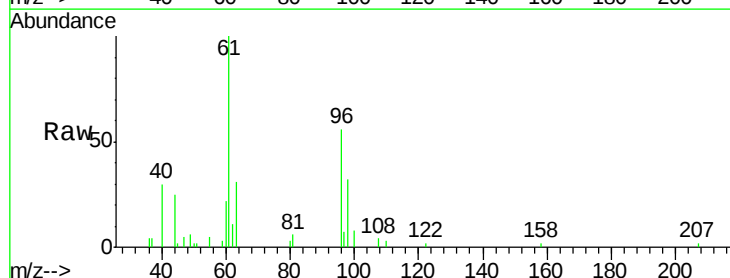
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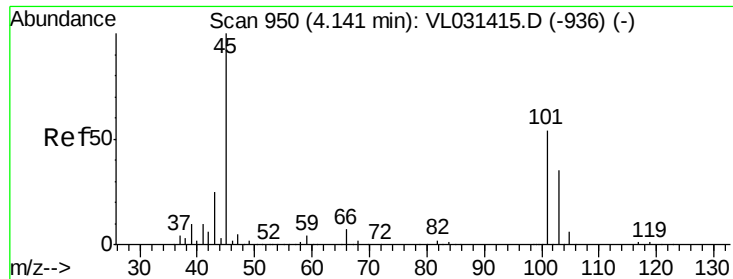
MMDadoda
1/24/2018 5:10:23 PM



#18
1,1-Dichloroethene
Concen: 0.14 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion: 96 Resp: 8646
Ion Ratio Lower Upper
96 100
61 175.0 161.6 242.4
98 56.6 49.6 74.4





#19

Isopropyl Alcohol

Concen: 0.13 ppbv

RT: 4.18 min Scan# 961

Delta R.T. 0.03 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleID :

MDL-AIR-2

Tot Ion: 45 Resp: 13096

Ion Ratio Lower Upper

45 100

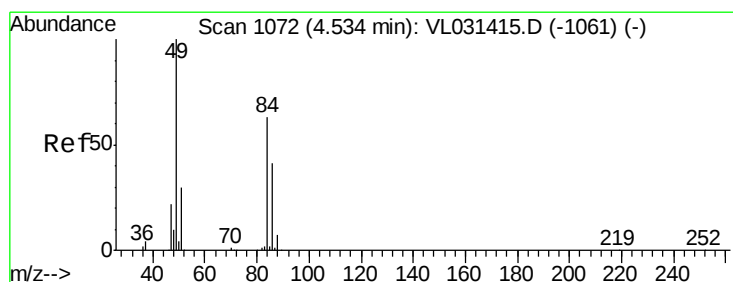
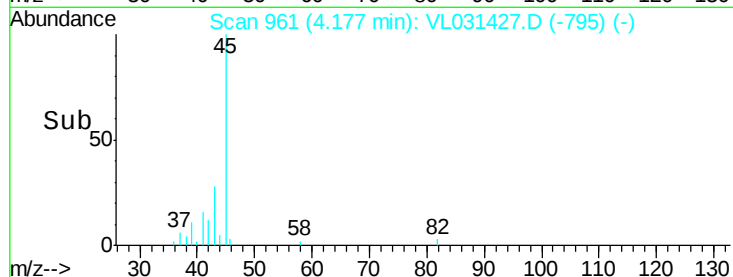
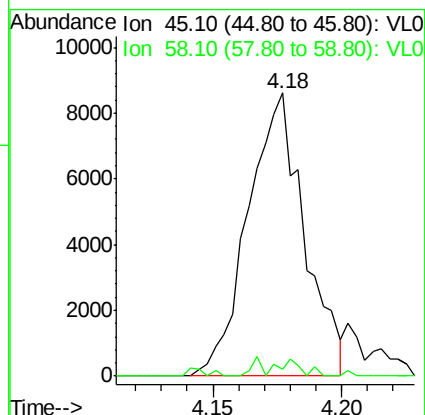
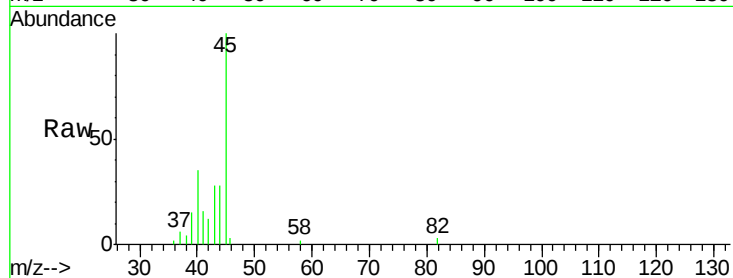
58 2.7 1.0 1.4#

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1/24/2018 5:10:23 PM



#20

Methylene Chloride

Concen: 0.27 ppbv

RT: 4.54 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Tgt Ion: 84 Resp: 16663

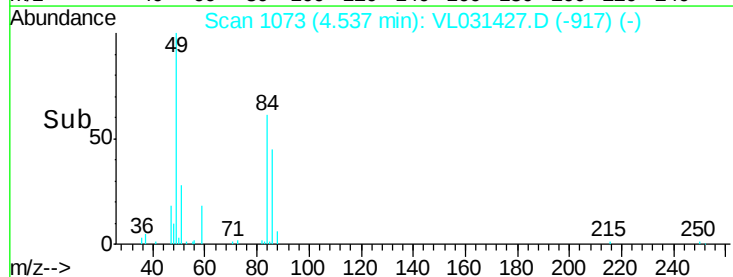
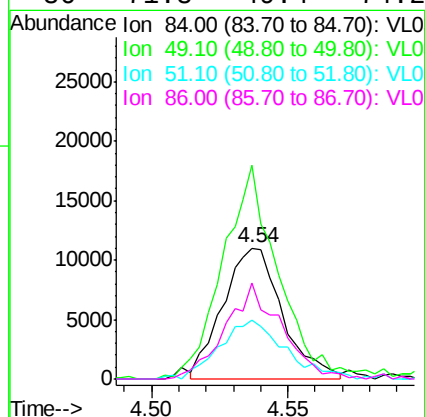
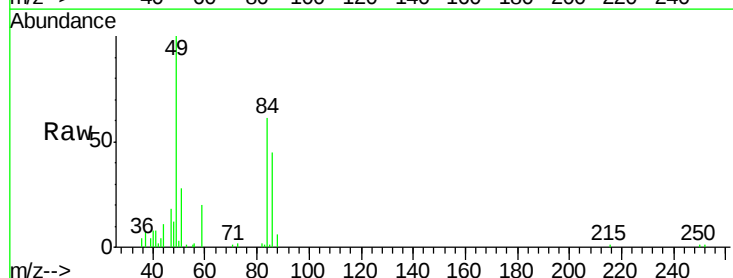
Ion Ratio Lower Upper

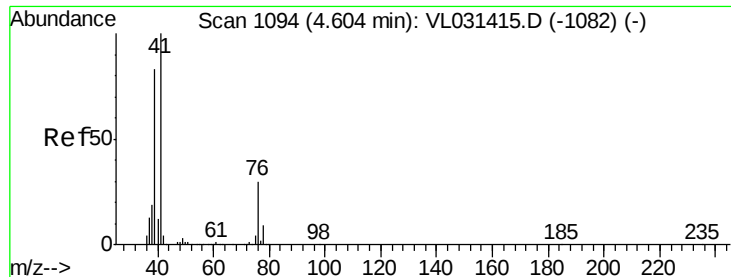
84 100

49 159.6 123.4 185.0

51 41.9 35.6 53.4

86 71.8 49.4 74.2





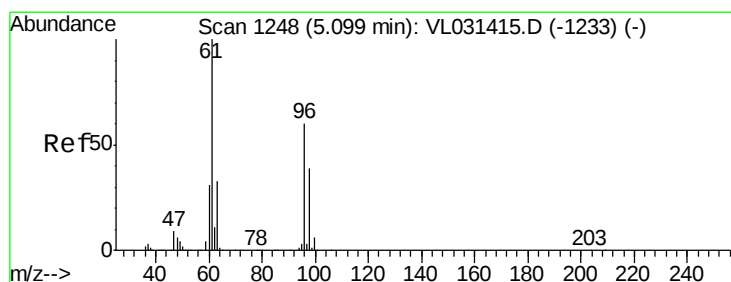
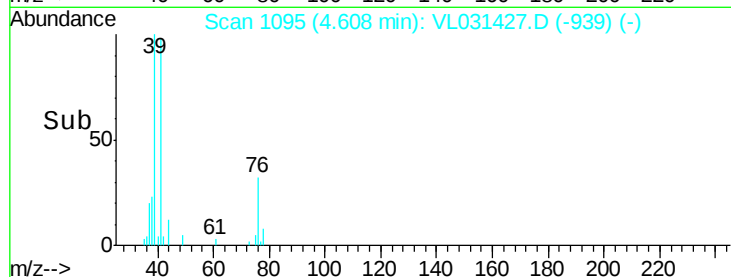
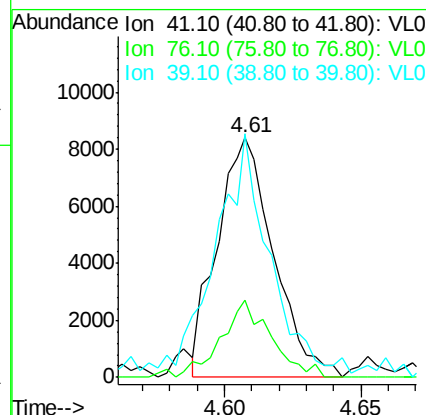
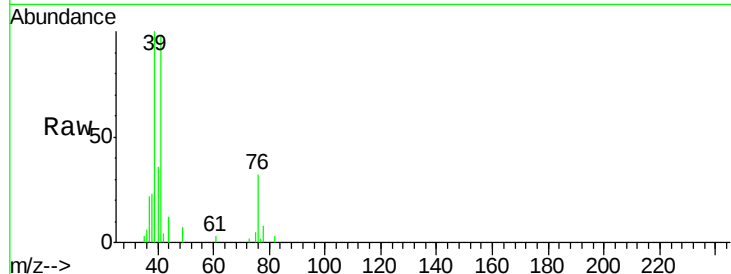
#21
Allvl Chloride
Concen: 0.13 ppbv
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.1	24.2	36.2
39	107.2	69.8	104.8#

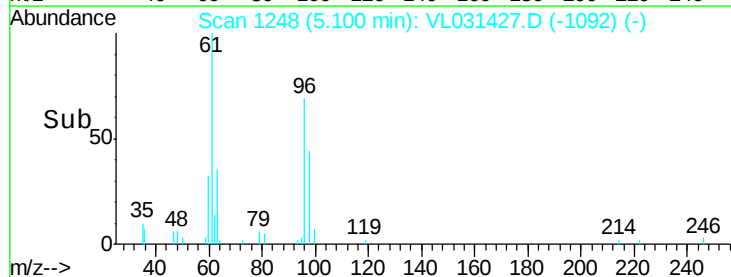
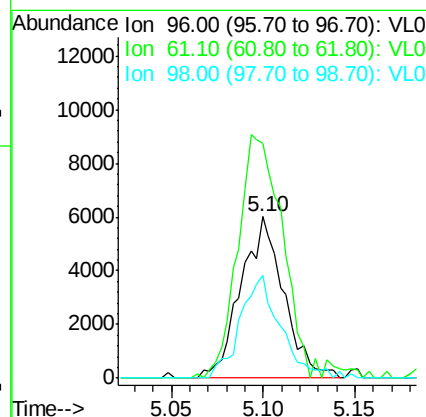
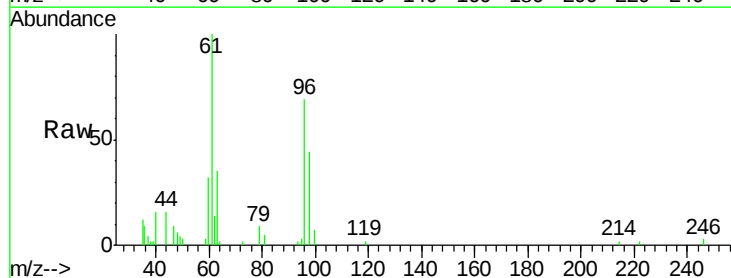
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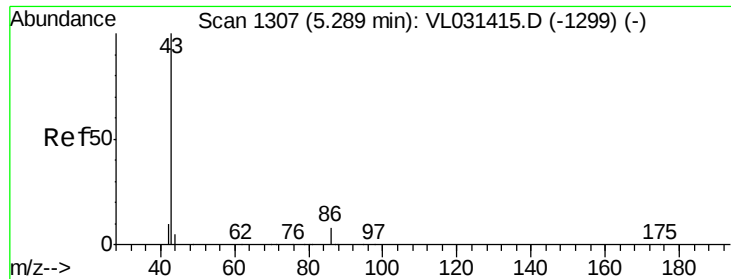
MMDadoda
1/24/2018 5:10:23 PM



#22
trans-1,2-Dichloroethene
Concen: 0.15 ppbv m
RT: 5.10 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.5	135.0	202.4
98	63.8	52.2	78.2





#23

Vinyl Acetate

Concen: 0.10 ppbv

RT: 5.30 min Scan# 1310

Delta R.T. 0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

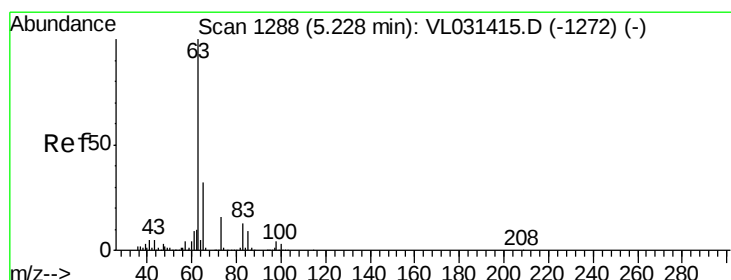
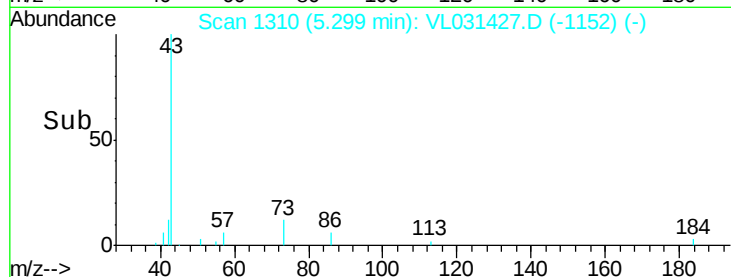
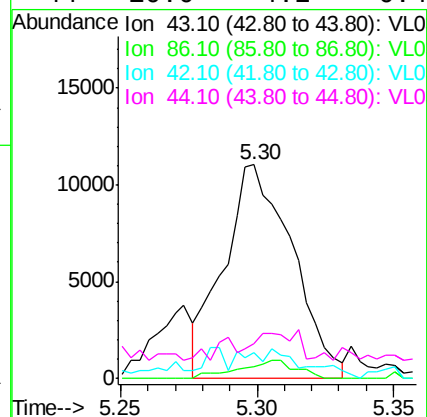
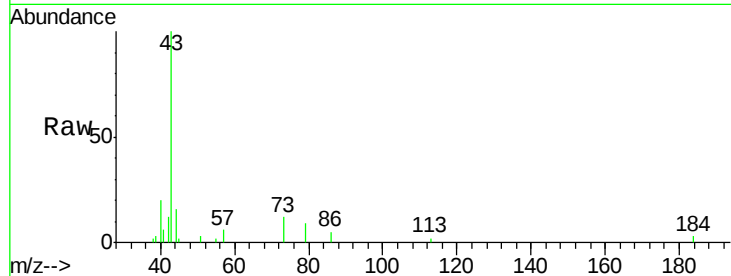
ClientSampleId :

MDL-AIR-2

Tot Ion	43	Resp	19323
Ion	Ratio	Lower	Upper
43	100		
86	5.8	5.6	8.4
42	8.7	8.6	12.8
44	10.0	4.2	6.4#

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1/24/2018 5:10:23 PM



#24

1,1-Dichloroethane

Concen: 0.13 ppbv

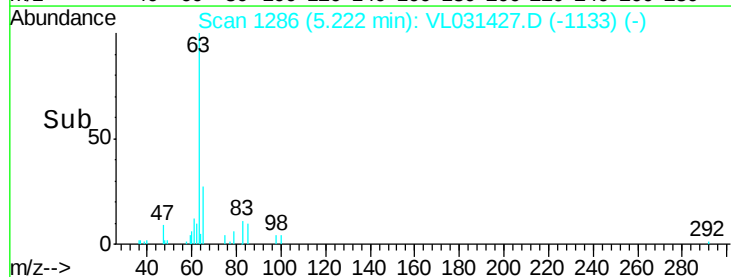
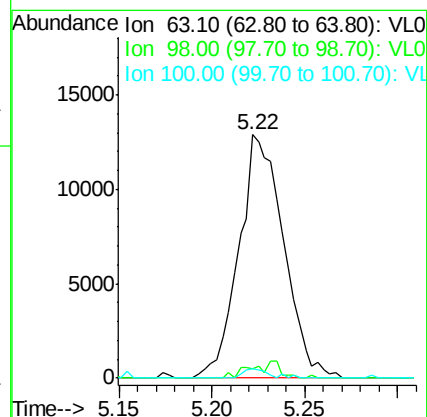
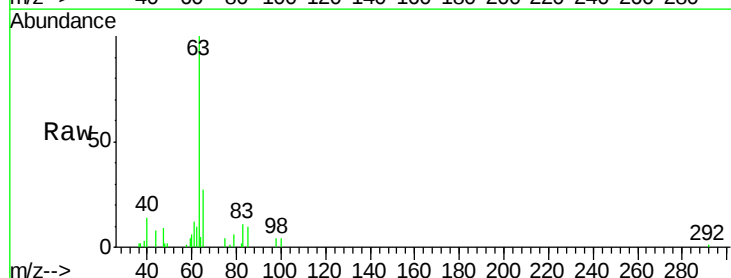
RT: 5.22 min Scan# 1286

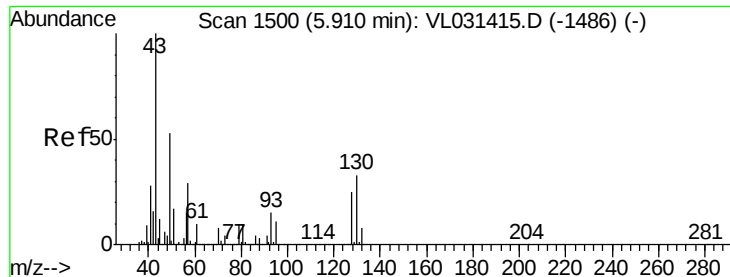
Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Tgt Ion	63	Resp	21661
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.4	7.1
100	3.8	1.3	3.9





#25

Ethyl Acetate

Concen: 0.12 ppbv m

RT: 5.92 min Scan# 1504

Delta R.T. 0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

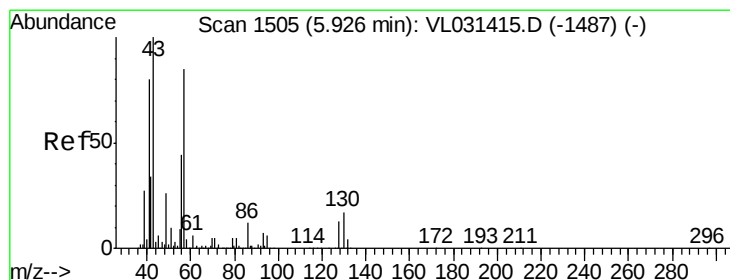
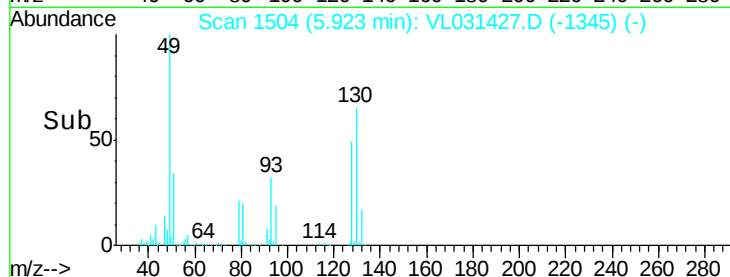
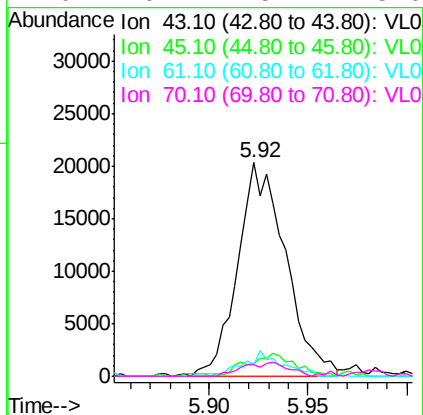
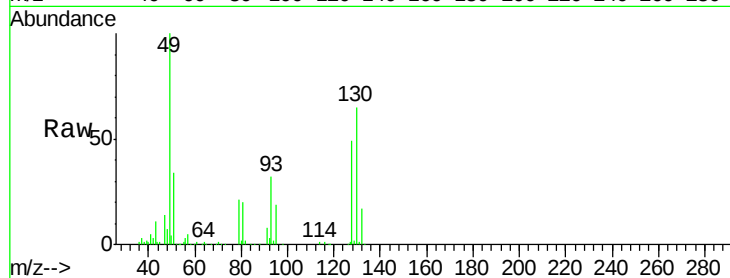
ClientSampleId :

MDL-AIR-2

Tot Ion:	43	Resp:	34292
Ion	Ratio	Lower	Upper
43	100		
45	11.9	7.8	11.6#
61	9.6	7.0	10.6
70	6.7	5.4	8.0

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1/24/2018 5:10:23 PM



#26

Hexane

Concen: 0.12 ppbv m

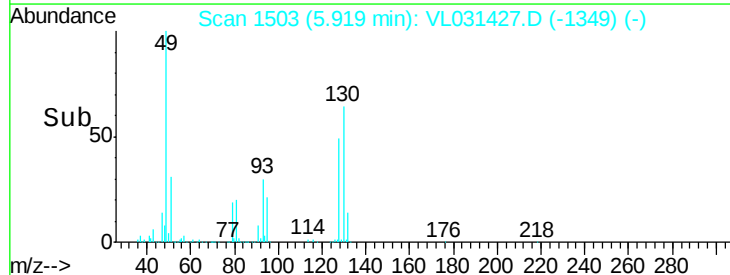
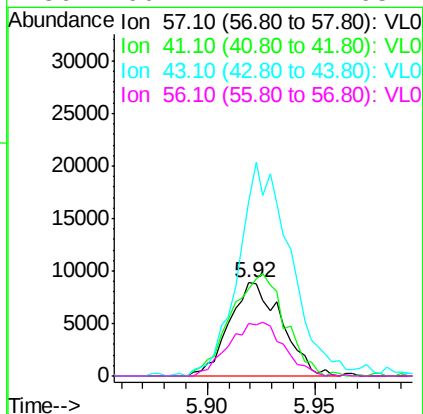
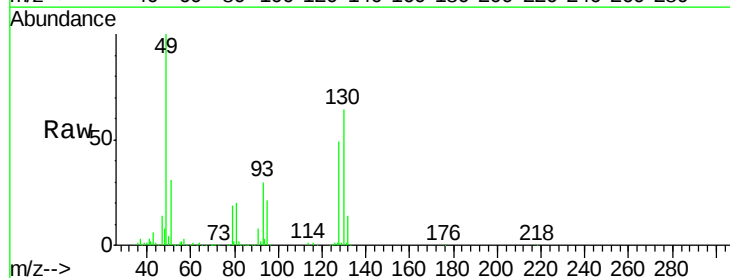
RT: 5.92 min Scan# 1503

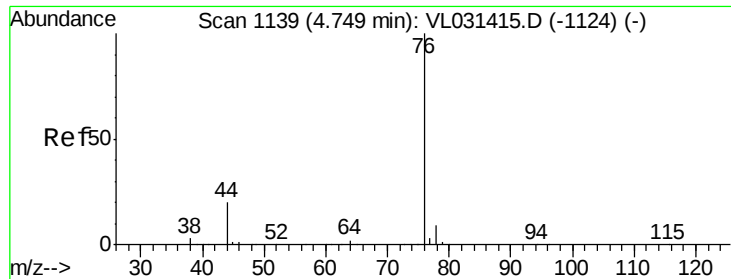
Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Tgt Ion:	57	Resp:	15049
Ion	Ratio	Lower	Upper
57	100		
41	113.9	77.1	115.7
43	235.5	180.7	271.1
56	60.1	42.2	63.2





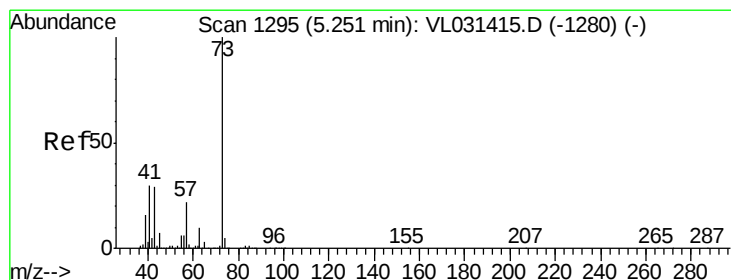
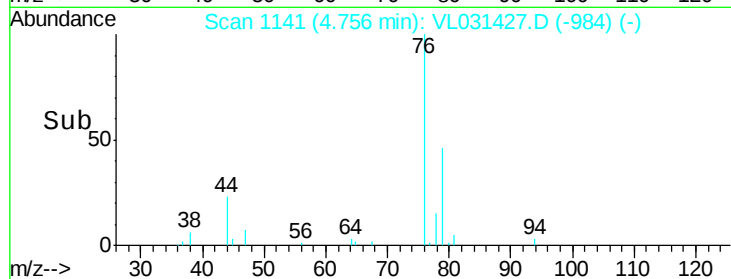
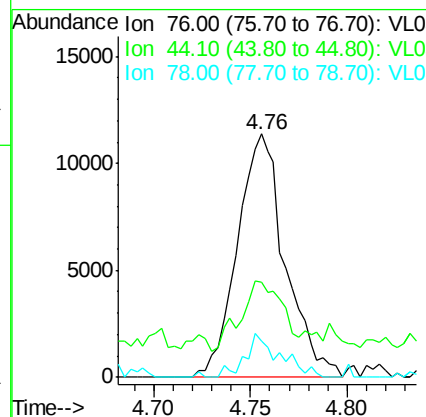
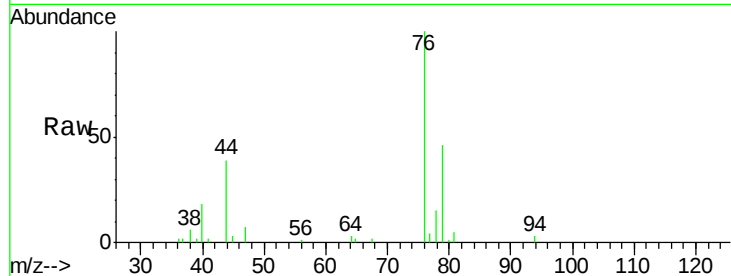
#27
Carbon Disulfide
Concen: 0.12 ppbv
RT: 4.76 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
76	100		
44	34.5	16.7	25.1#
78	13.3	7.5	11.3#

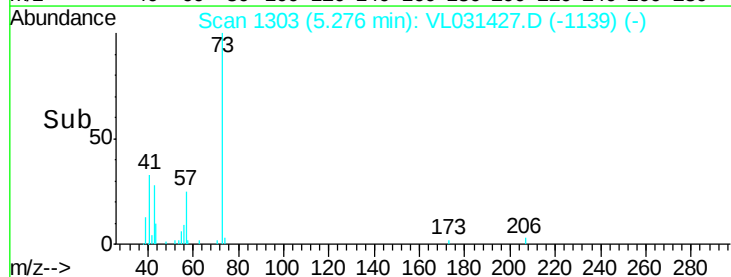
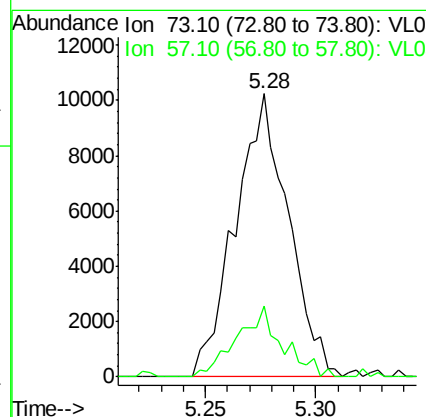
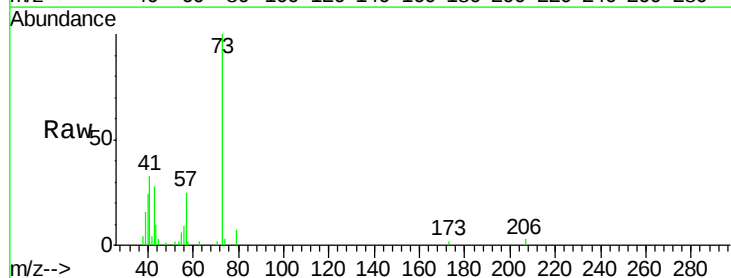
Manual Integrations
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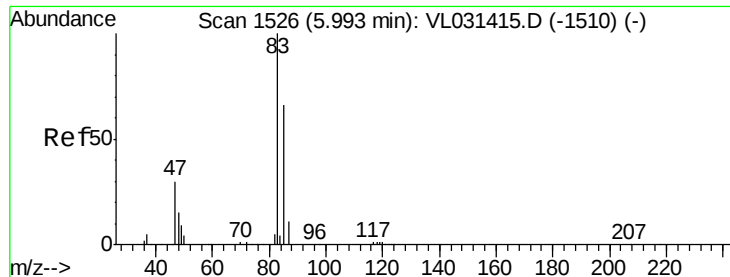
MMDadoda
1/24/2018 5:10:23 PM



#28
Methyl tert-Butyl Ether
Concen: 0.11 ppbv
RT: 5.28 min Scan# 1303
Delta R.T. 0.03 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.5	26.3





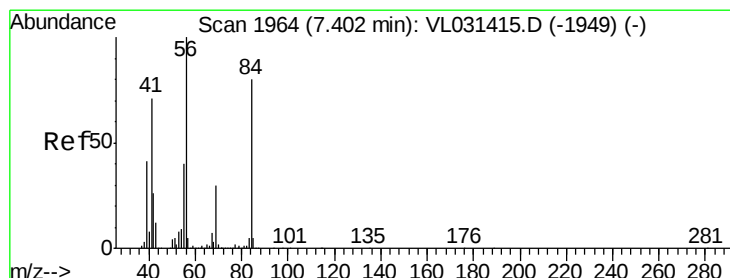
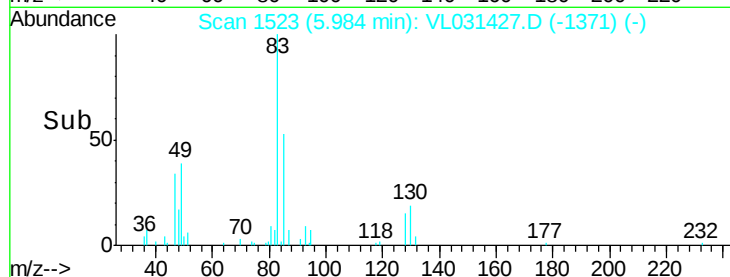
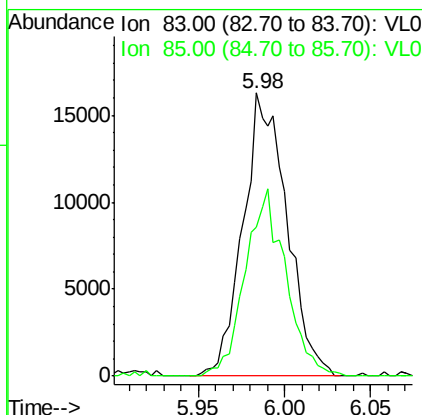
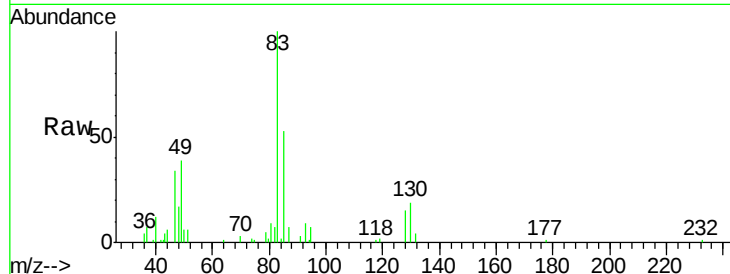
#29
Chloroform
Concen: 0.13 ppbv m
RT: 5.98 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

Tot Ion	83	Resp	28607
Ion Ratio	100	Lower	Upper
85	52.7	51.3	76.9

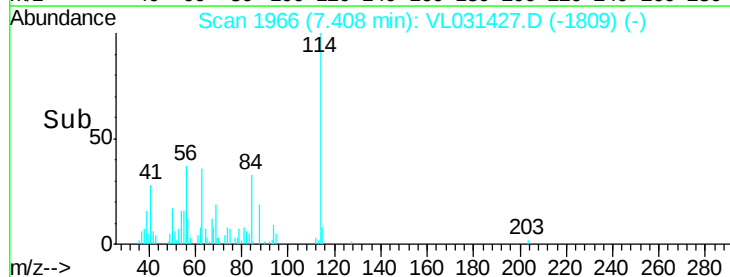
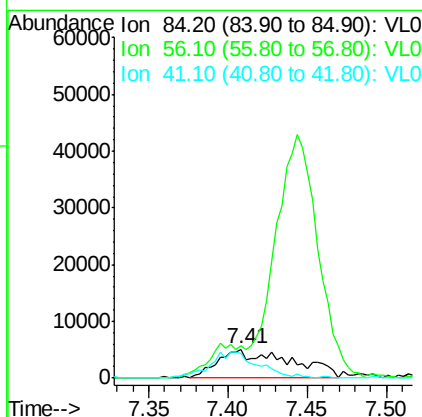
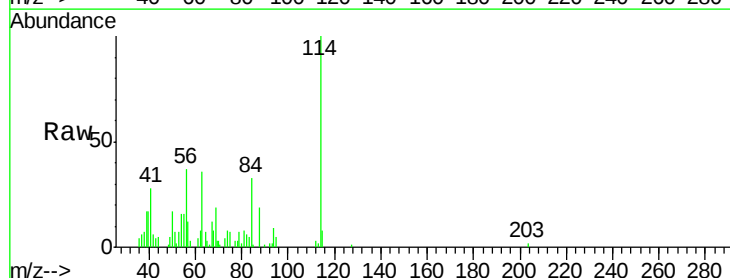
Manual Integrations
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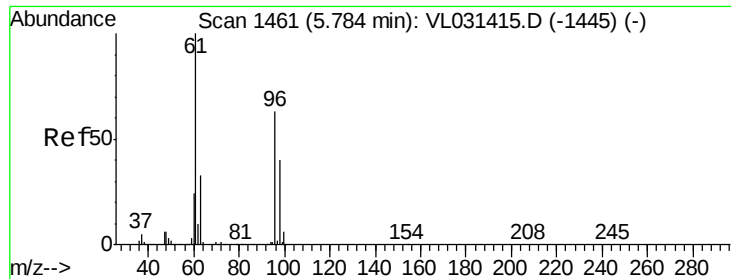
MMDadoda
1/24/2018 5:10:23 PM



#30
Cyclohexane
Concen: 0.16 ppbv m
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion	84	Resp	15936
Ion Ratio	100	Lower	Upper
56	0.0	109.0	163.4#
41	61.9	73.3	109.9#





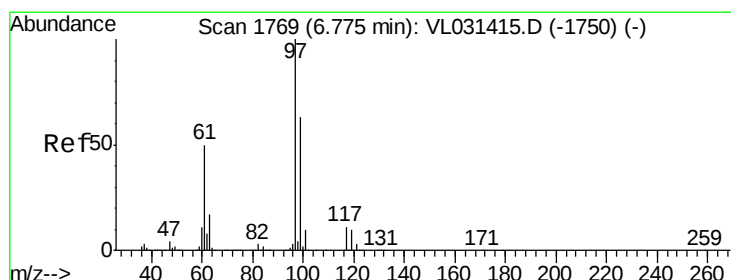
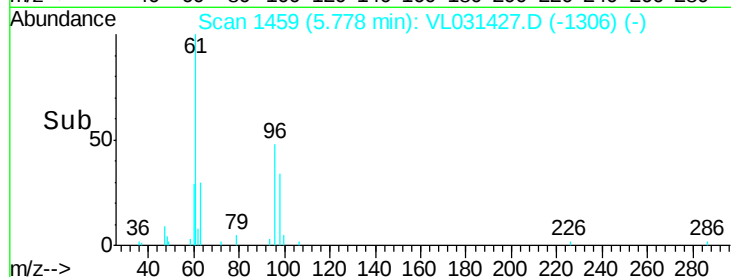
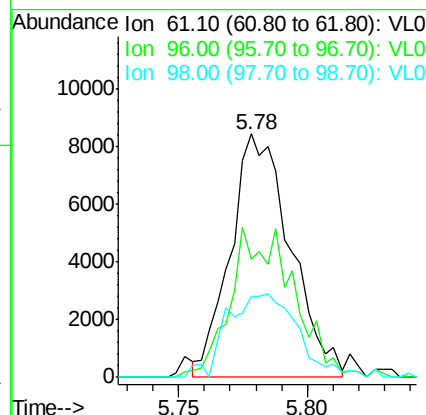
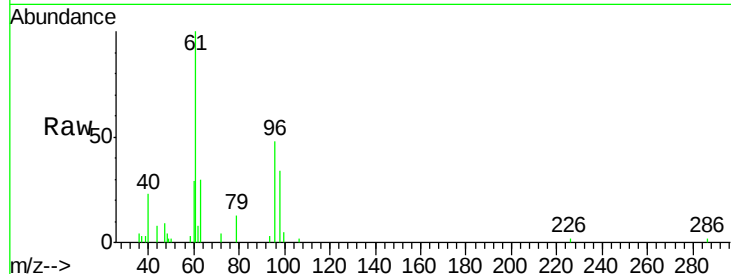
#31
 cis-1,2-Dichloroethene
 Concen: 0.11 ppbv
 RT: 5.78 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
61	100		
96	44.1	51.3	76.9#
98	29.7	33.6	50.4#

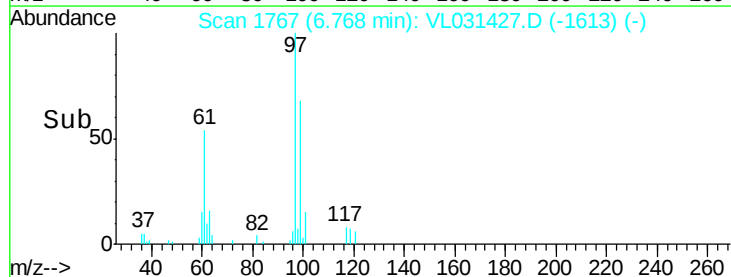
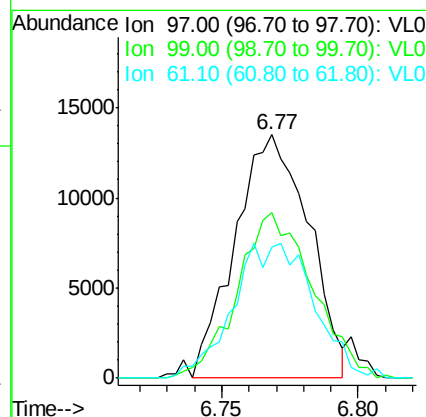
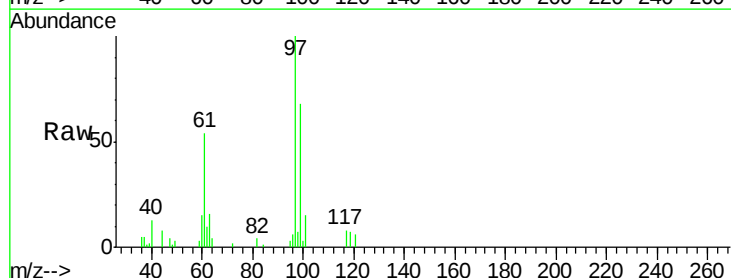
Manual Integrations
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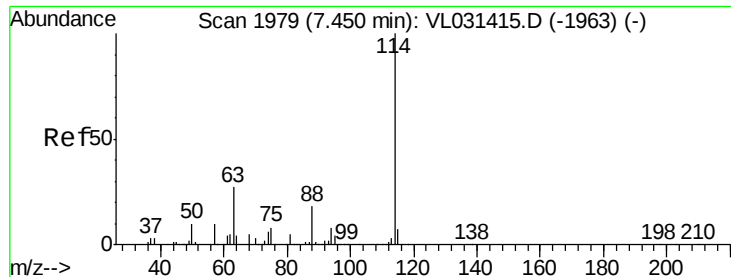
MMDadoda
 1/24/2018 5:10:23 PM



#32
 1,1,1-Trichloroethane
 Concen: 0.12 ppbv
 RT: 6.77 min Scan# 1767
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	69.4	51.9	77.9
61	60.8	40.6	61.0





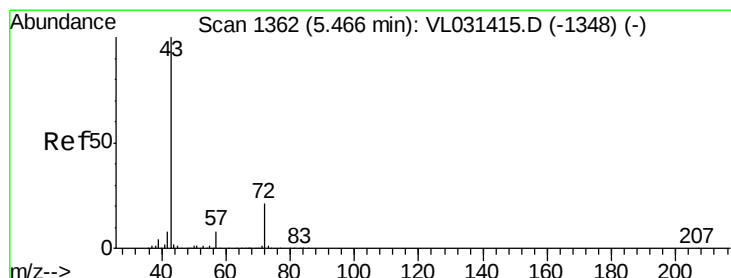
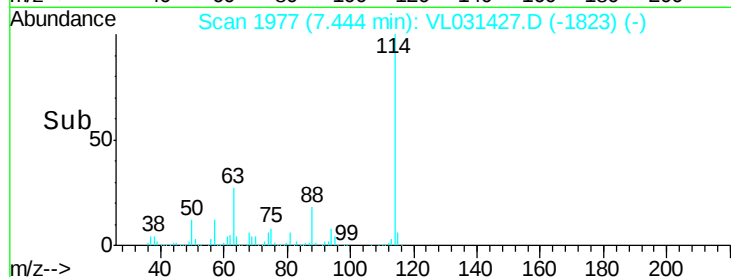
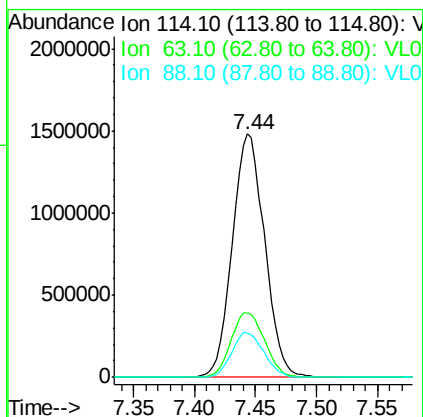
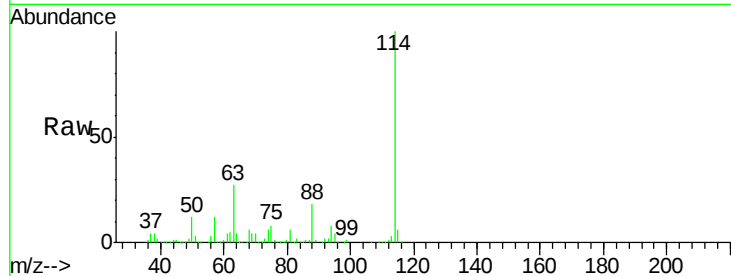
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.44 min Scan# 1977
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.5	33.7
88	18.4	14.6	22.0

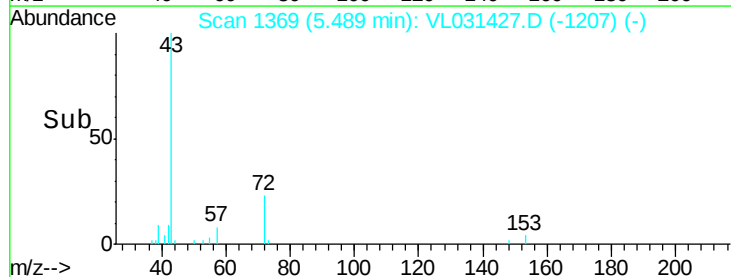
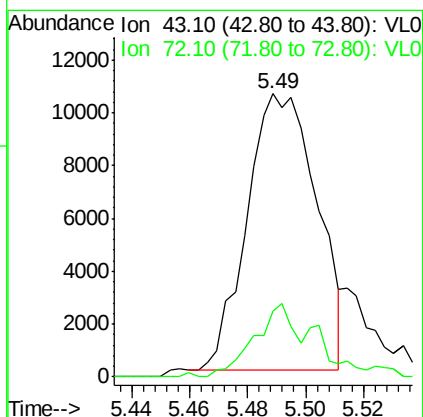
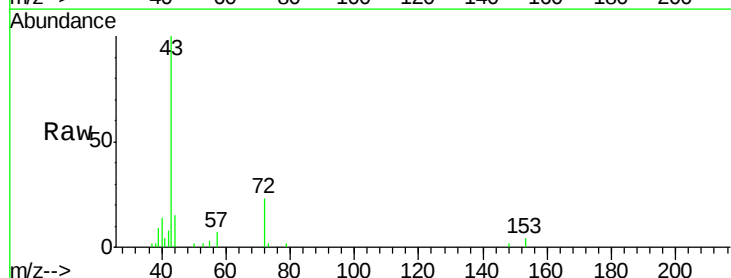
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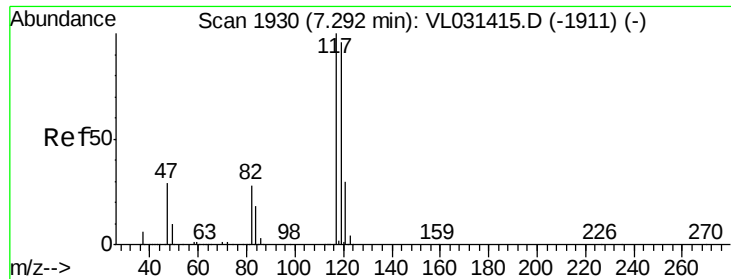
MMDadoda
 1/24/2018 5:10:23 PM



#34
 2-Butanone
 Concen: 0.10 ppbv
 RT: 5.49 min Scan# 1369
 Delta R.T. 0.02 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.4	16.8	25.2





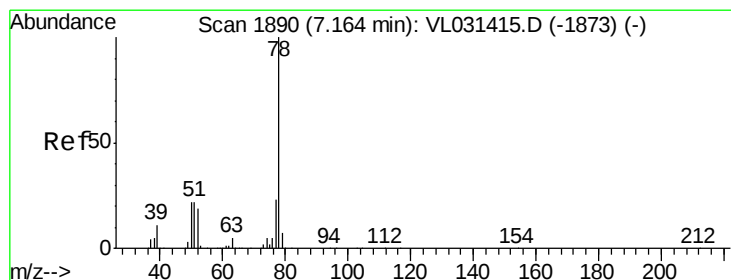
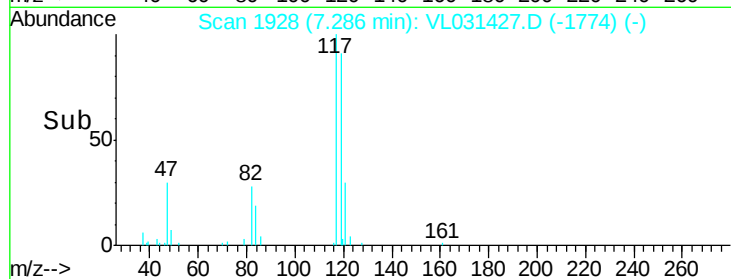
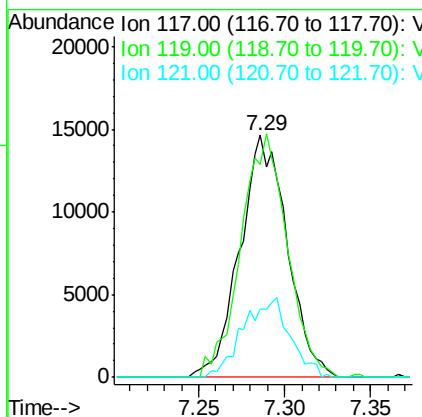
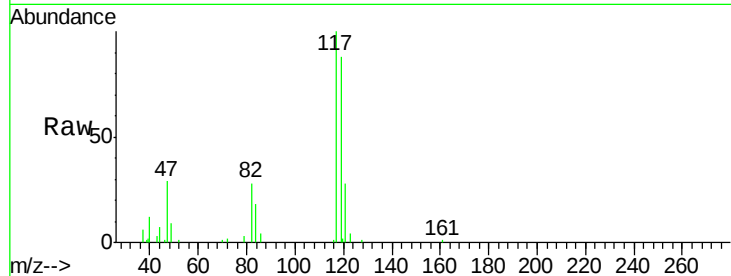
#35
Carbon Tetrachloride
Concen: 0.13 ppbv
RT: 7.29 min Scan# 1928
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
117	100		
119	87.8	74.2	111.4
121	28.3	24.2	36.4

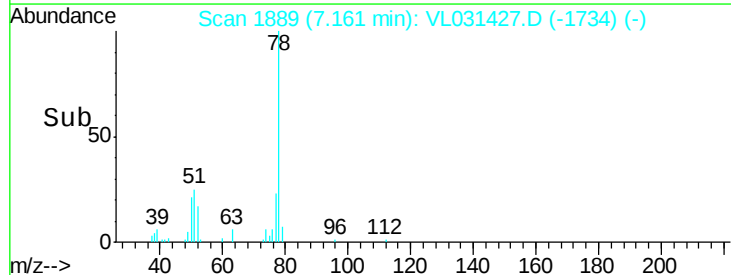
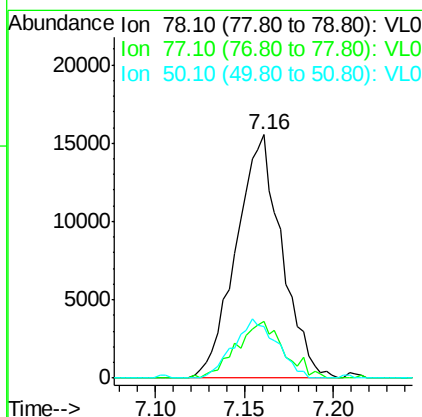
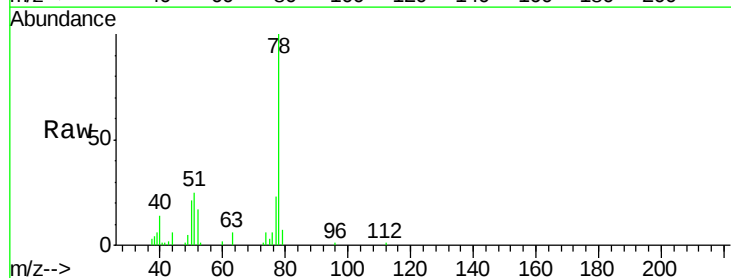
Manual Integrations
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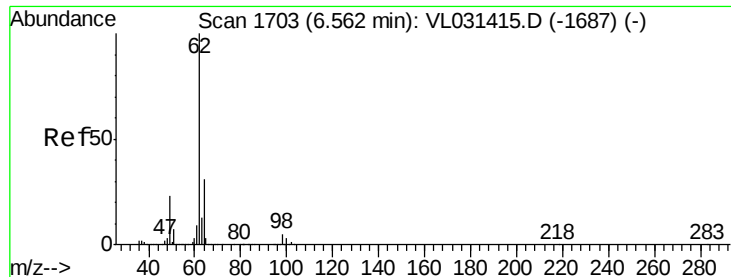
MMDadoda
1/24/2018 5:10:23 PM



#36
Benzene
Concen: 0.11 ppbv
RT: 7.16 min Scan# 1889
Delta R.T. -0.00 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1
50	21.3	18.4	27.6





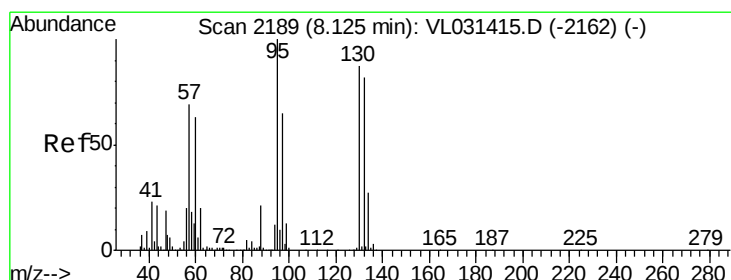
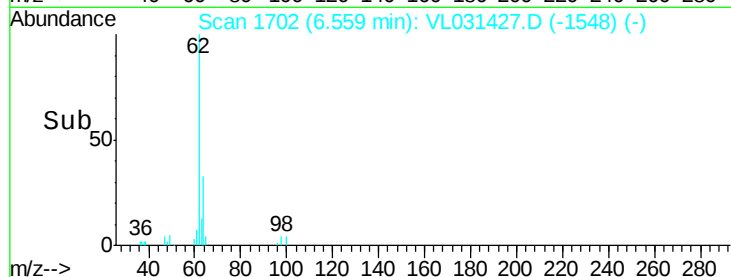
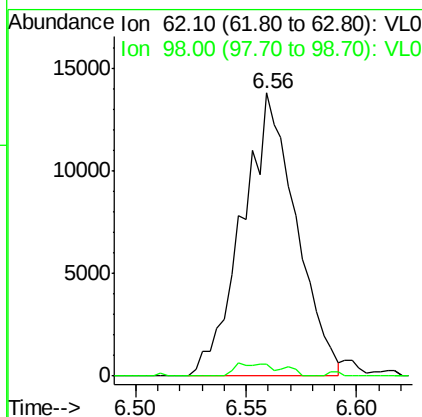
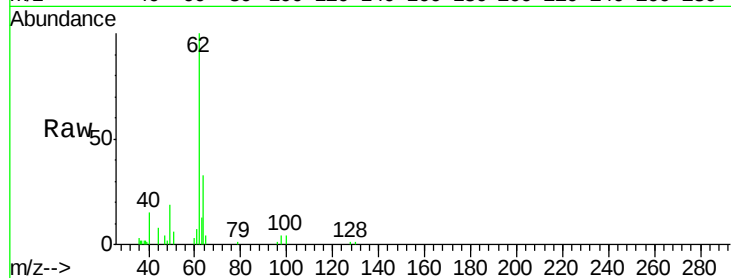
#37
 1,2-Dichloroethane
 Concen: 0.12 ppbv
 RT: 6.56 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.0	4.1	6.1#

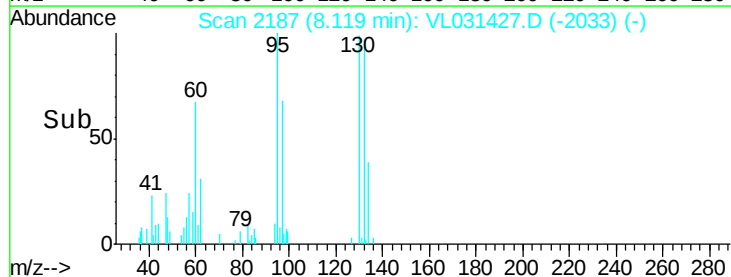
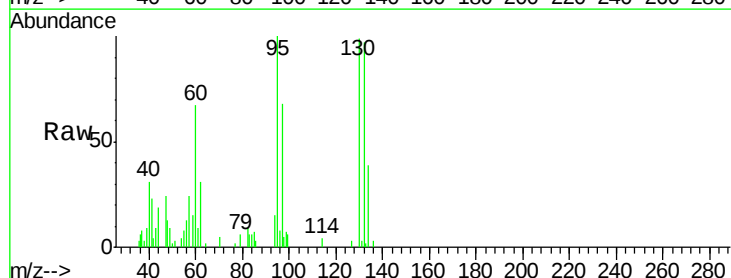
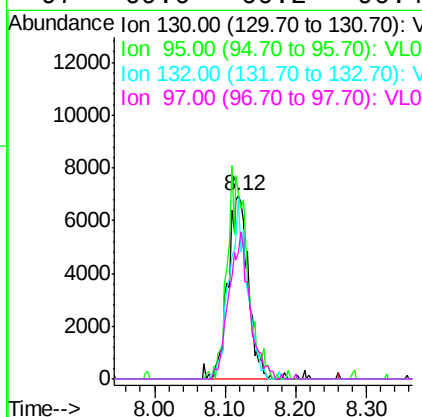
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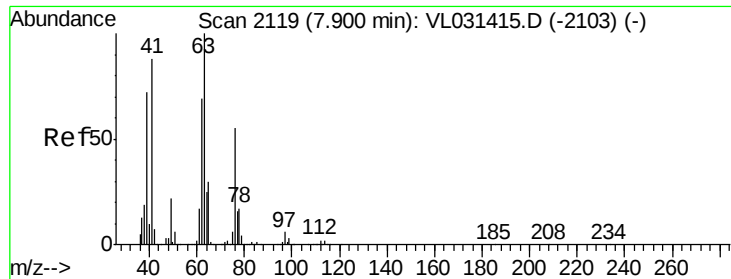
MMDadoda
 1/24/2018 5:10:23 PM



#38
 Trichloroethene
 Concen: 0.15 ppbv m
 RT: 8.12 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.4	92.9	139.3
132	98.2	74.9	112.3
97	69.0	60.2	90.4





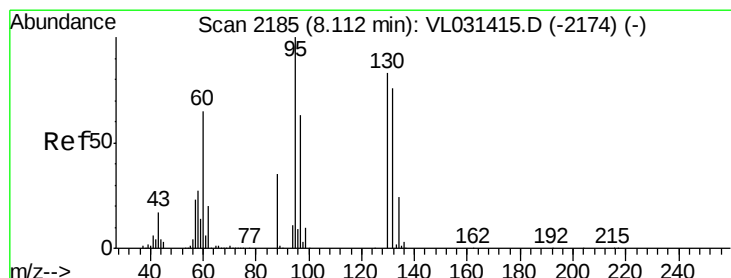
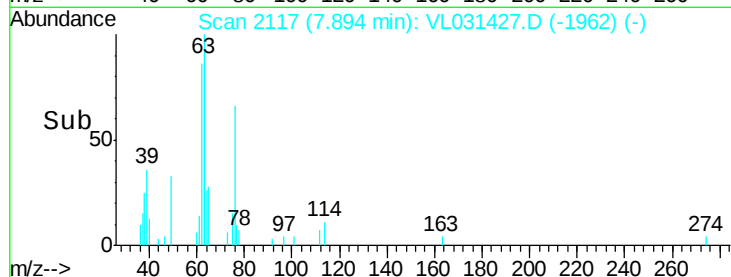
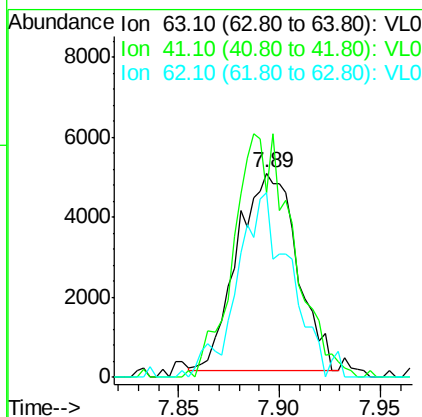
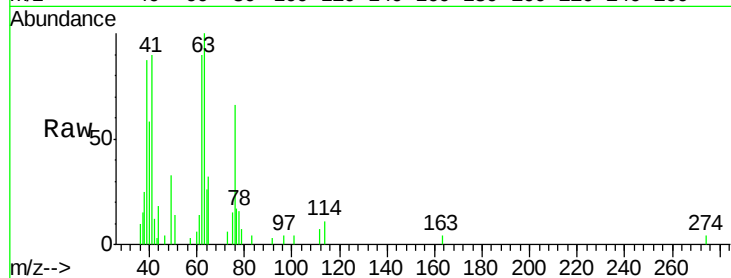
#39
 1,2-Dichloropropane
 Concen: 0.11 ppbv
 RT: 7.89 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
63	100		
41	89.9	67.6	101.4
62	93.0	51.8	77.6#

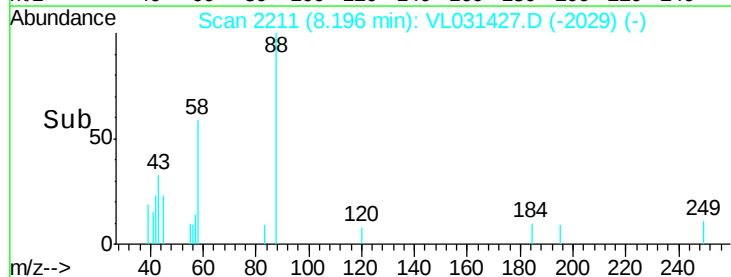
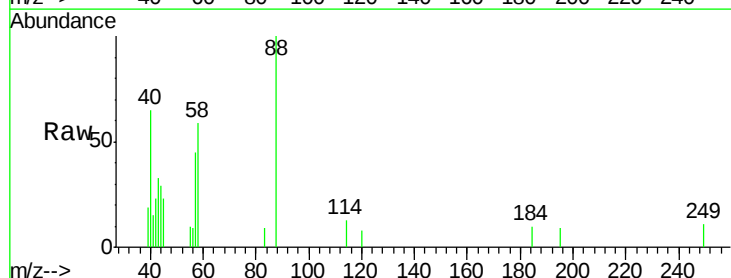
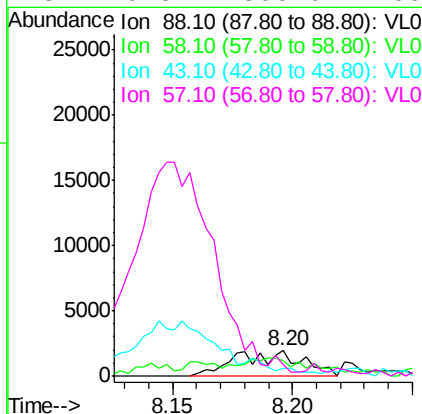
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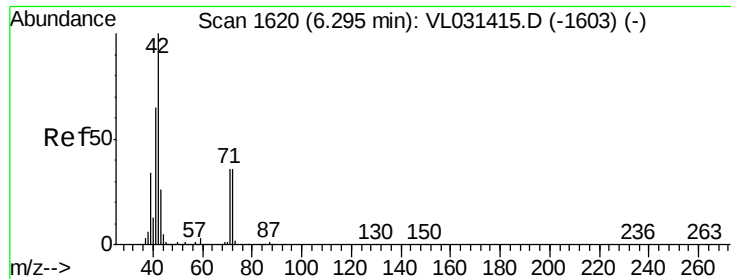
MMDadoda
 1/24/2018 5:10:23 PM



#40
 1,4-Dioxane
 Concen: 0.10 ppbv m
 RT: 8.20 min Scan# 2211
 Delta R.T. 0.08 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	98.2	147.2#
43	297.1	197.3	295.9#
57	1075.2	806.0	1209.0





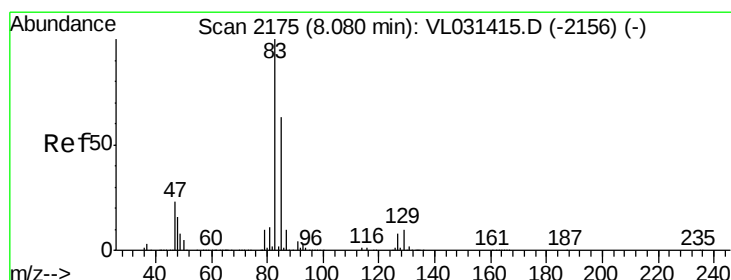
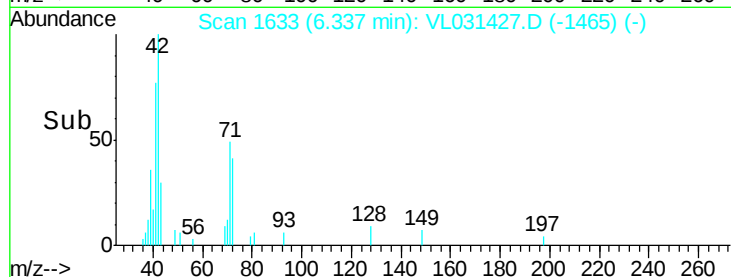
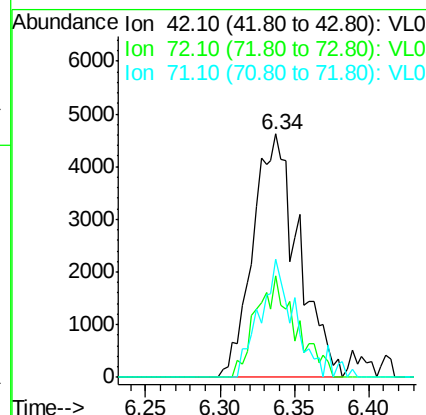
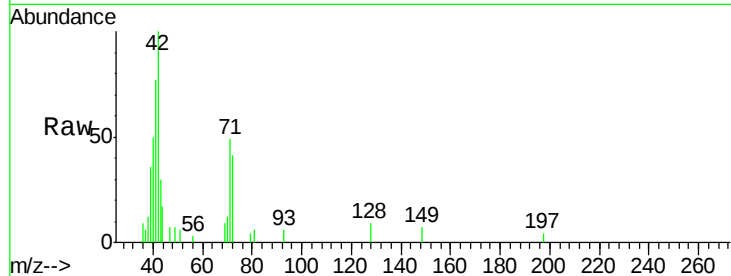
#41
Tetrahydrofuran
Concen: 0.10 ppbv m
RT: 6.34 min Scan# 1633
Delta R.T. 0.04 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.4	45.6#
71	0.0	29.2	43.8#

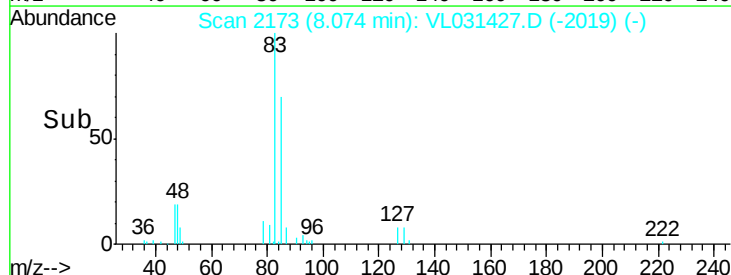
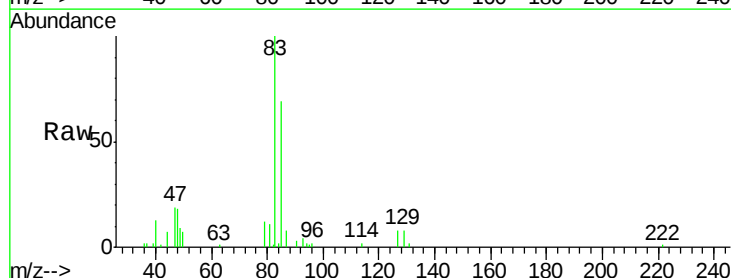
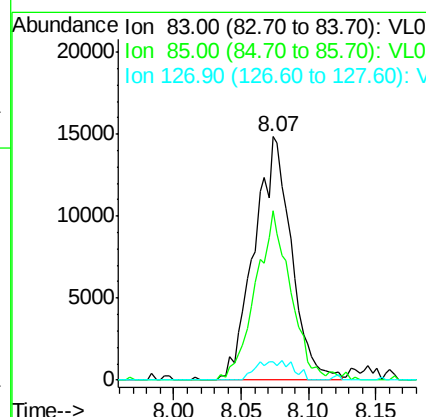
Manual Integrations
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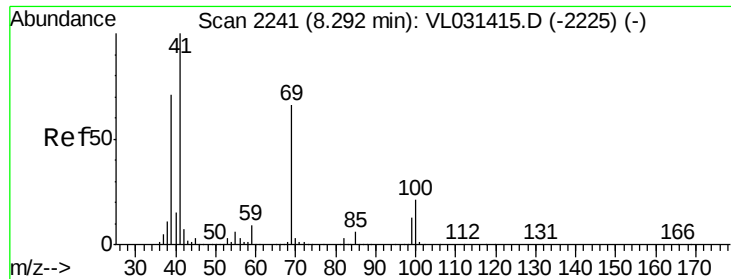
MMDadoda
1/24/2018 5:10:23 PM



#42
Bromodichloromethane
Concen: 0.13 ppbv m
RT: 8.07 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.5	52.1	78.1
127	7.7	6.6	10.0





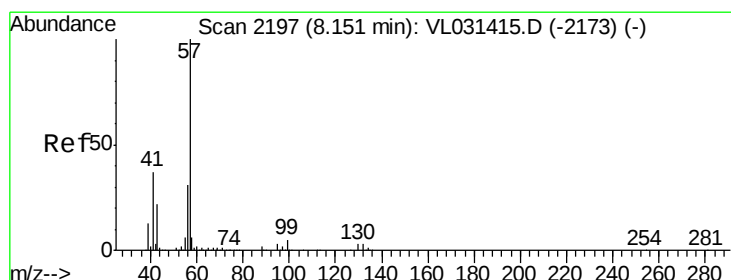
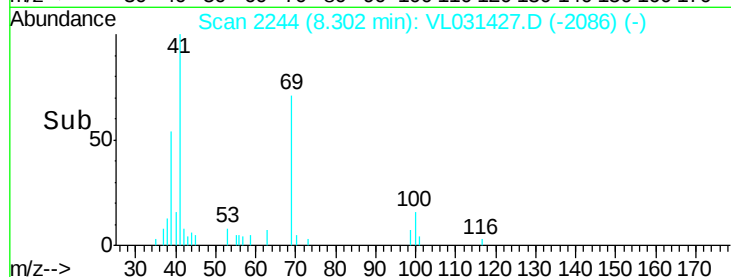
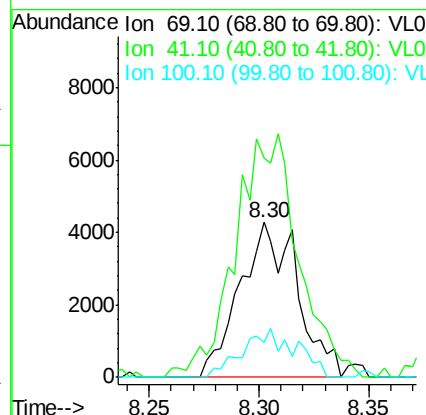
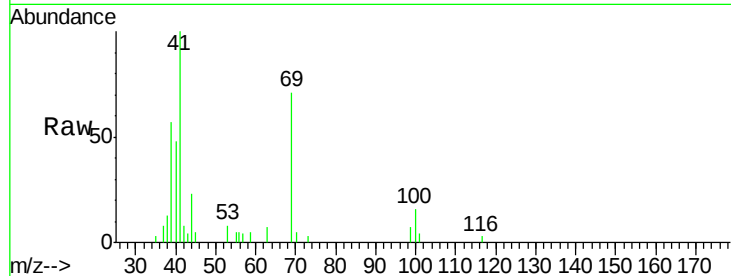
#43
Methvl Methacrylate
Concen: 0.09 ppbv m
RT: 8.30 min Scan# 2244
Delta R.T. 0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
69	100		
41	172.2	127.0	190.6
100	29.8	24.6	37.0

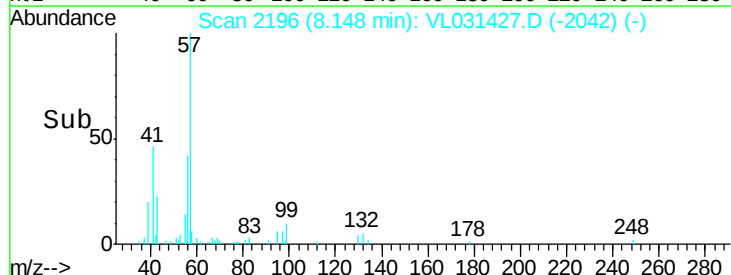
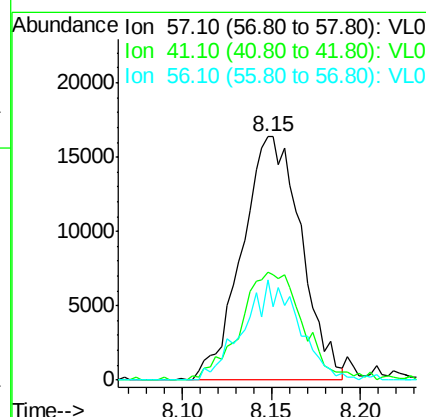
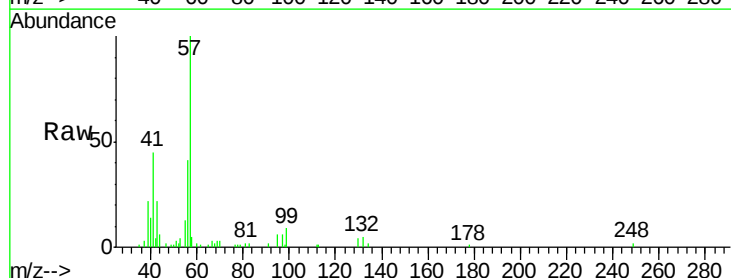
Manual Integrations
APPROVED

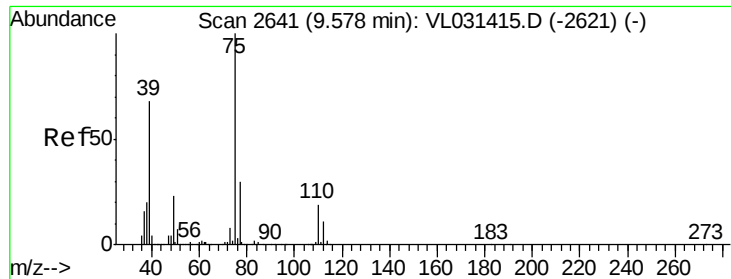
MMDadoda
1/24/2018 5:10:23 PM



#44
2,2,4-Trimethylpentane
Concen: 0.09 ppbv
RT: 8.15 min Scan# 2196
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
57	100		
41	48.4	28.8	43.2#
56	38.4	24.6	37.0#





#45

t-1,3-Dichloropropene

Concen: 0.09 ppbv m

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

Tot Ion: 75 Resp: 11038

Ion Ratio Lower Upper

75 100

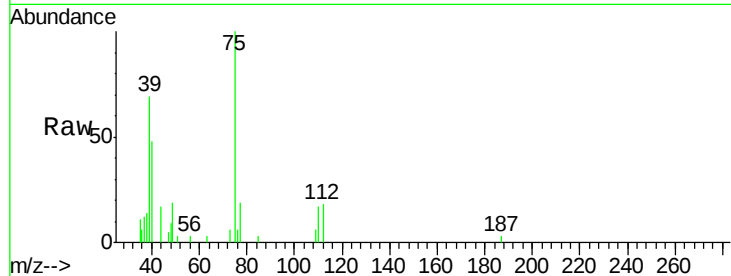
77 19.1 25.3 37.9#

Manual Integrations

APPROVED

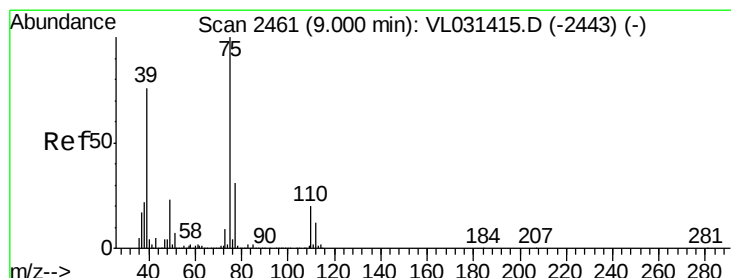
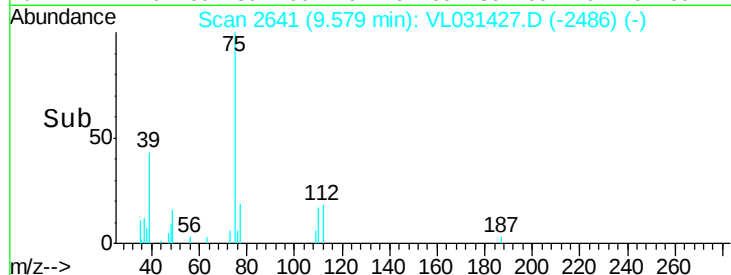
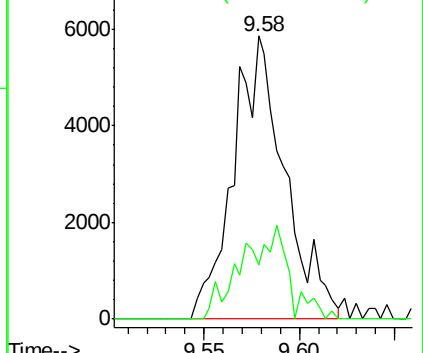
MMDadoda

1/24/2018 5:10:23 PM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.09 ppbv m

RT: 9.00 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

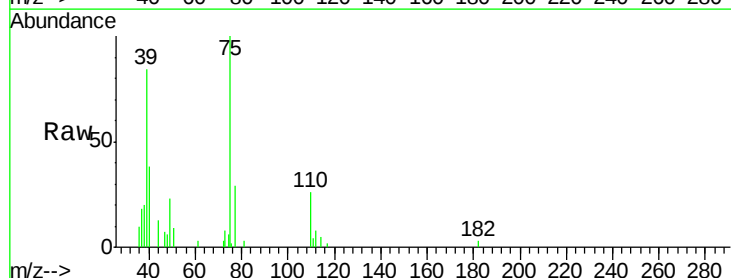
Tgt Ion: 75 Resp: 13807

Ion Ratio Lower Upper

75 100

39 83.6 59.4 89.0

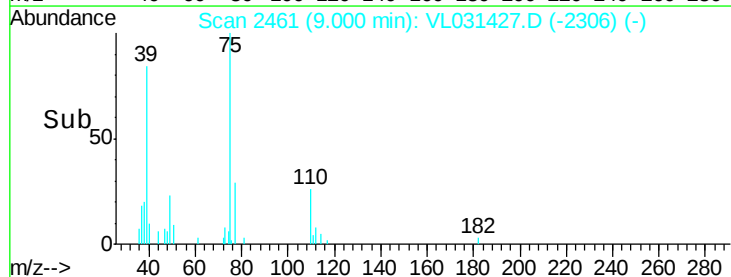
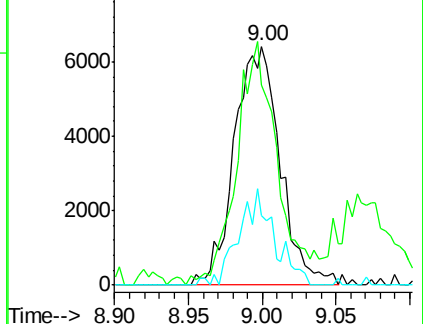
77 29.4 25.0 37.4

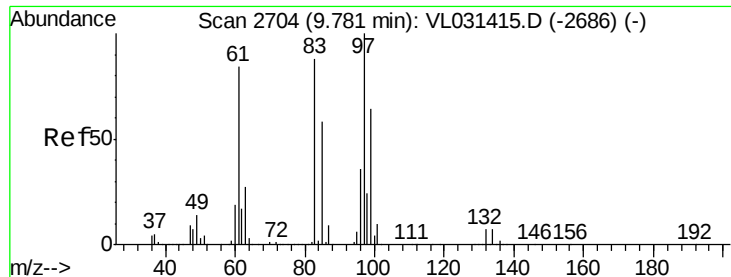


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





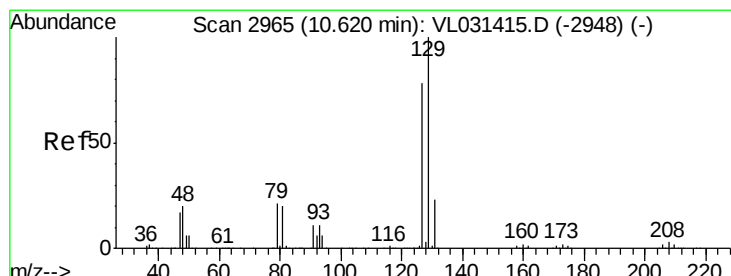
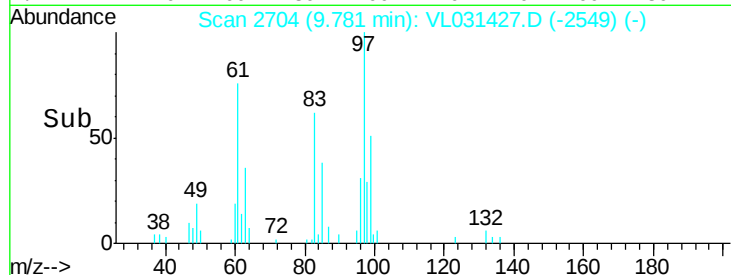
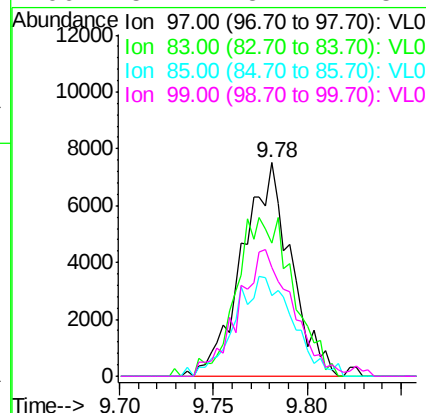
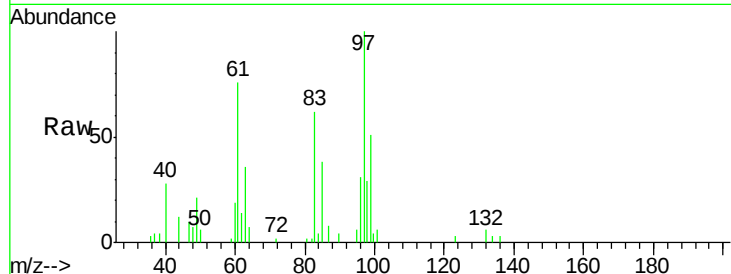
#47
 1,1,2-Trichloroethane
 Concen: 0.13 ppbv m
 RT: 9.78 min Scan# 2704
 Delta R.T. -0.00 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
97	100		
83	62.4	71.4	107.2#
85	37.5	46.2	69.2#
99	51.1	52.2	78.2#

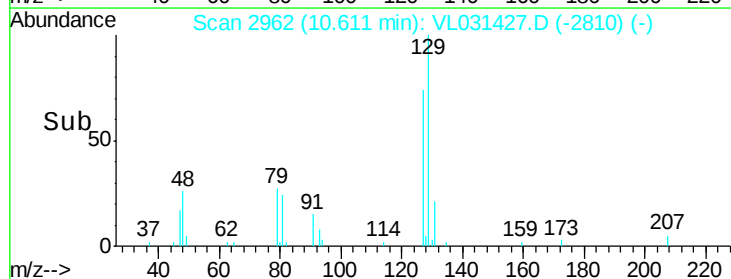
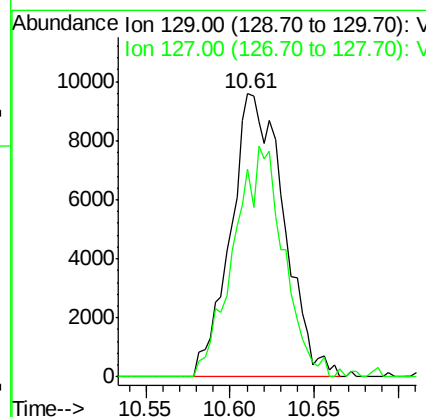
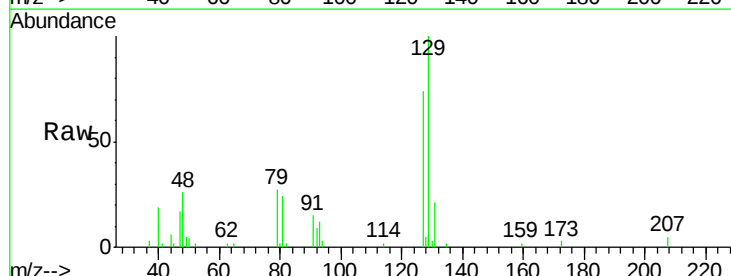
Manual Integrations
 APPROVED

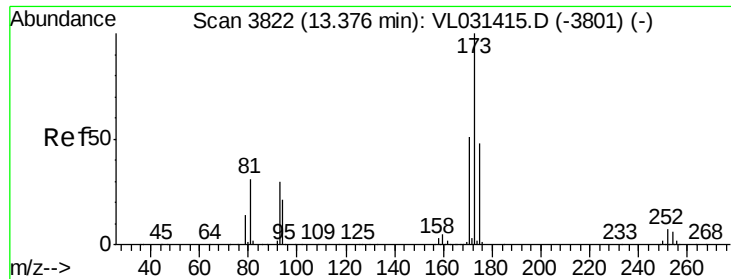
MMDadoda
 1/24/2018 5:10:23 PM



#48
 Dibromochloromethane
 Concen: 0.11 ppbv m
 RT: 10.61 min Scan# 2962
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.4	118.1#





#49

Bromoform

Concen: 0.11 ppbv m

RT: 13.37 min Scan# 3820

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

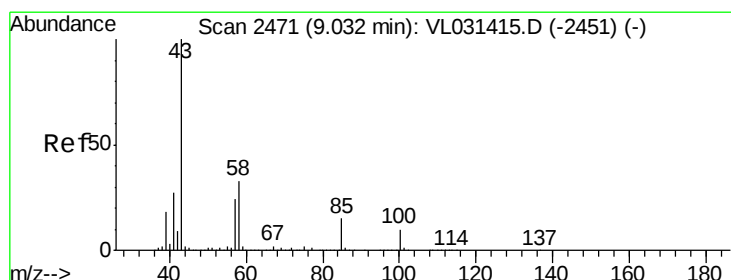
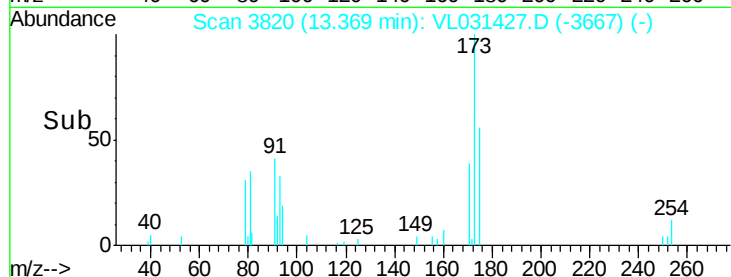
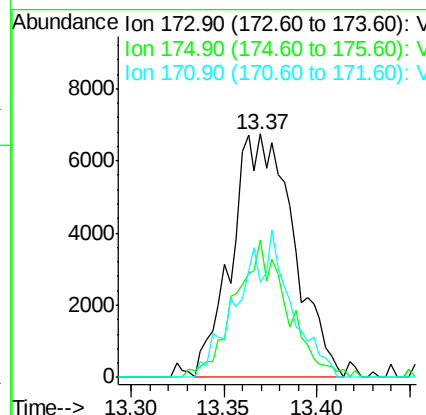
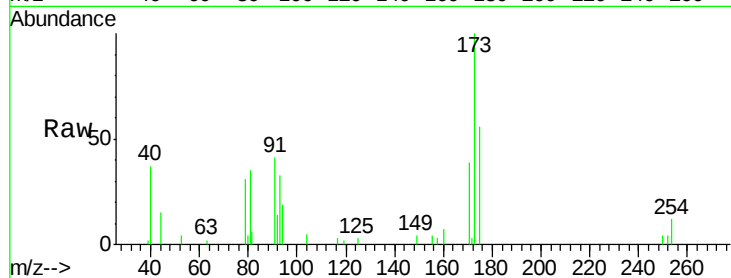
ClientSampleId :

MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	39.0	58.4
171	0.0	42.0	63.0#

Manual Integrations
APPROVED

MMDadoda
1/24/2018 5:10:23 PM



#50

4-Methyl-2-Pentanone

Concen: 0.10 ppbv m

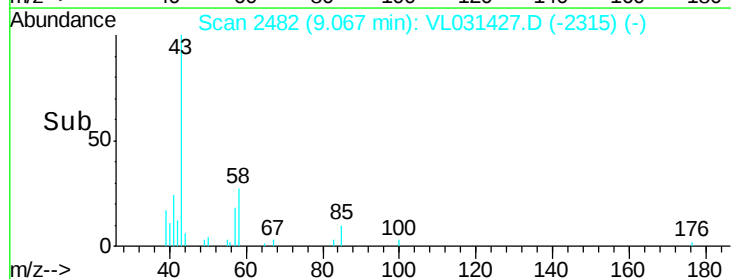
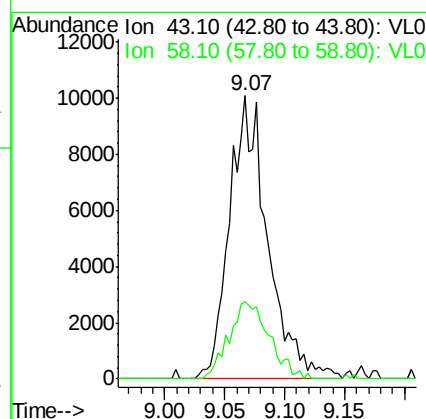
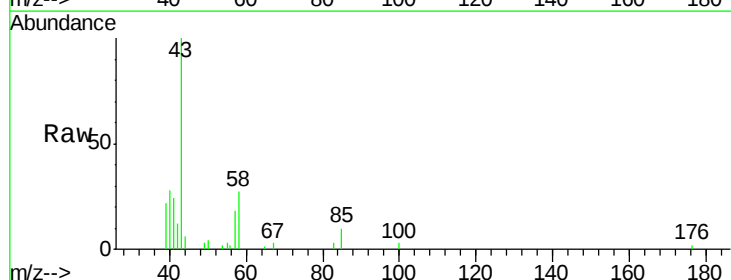
RT: 9.07 min Scan# 2482

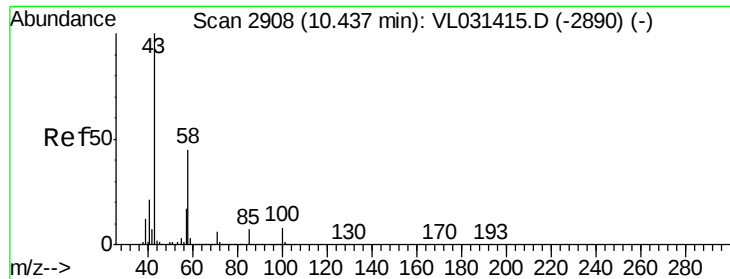
Delta R.T. 0.04 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.1	40.7#





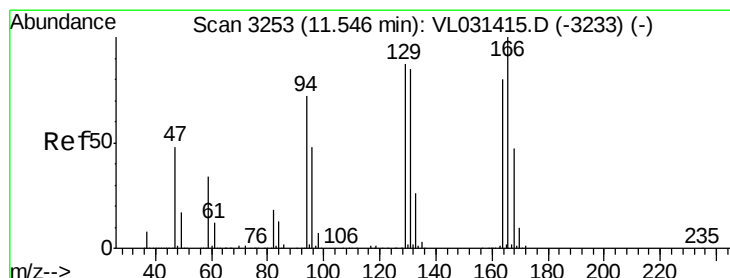
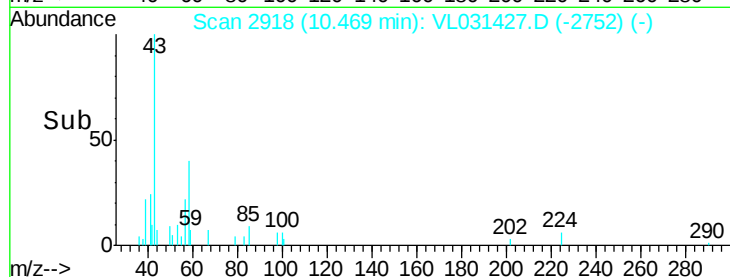
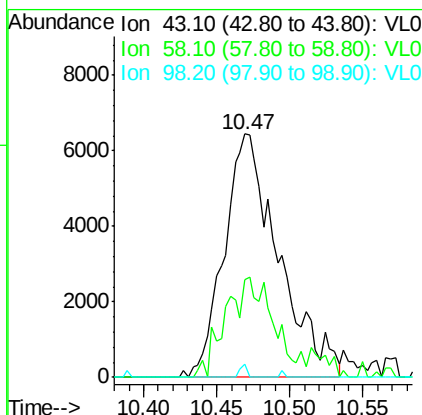
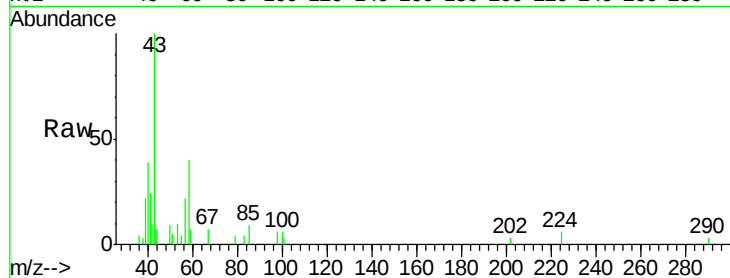
#51
2-Hexanone
Concen: 0.08 ppbv m
RT: 10.47 min Scan# 2918
Delta R.T. 0.03 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.6	36.2	54.4
98	0.7	0.1	0.1#

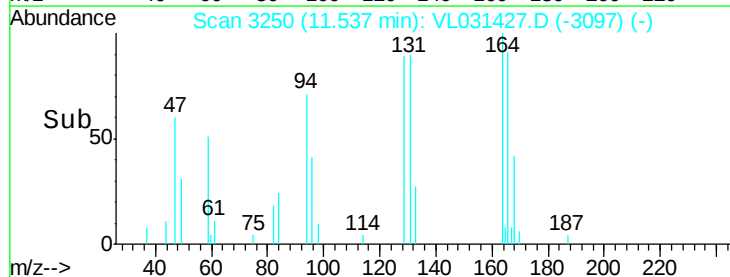
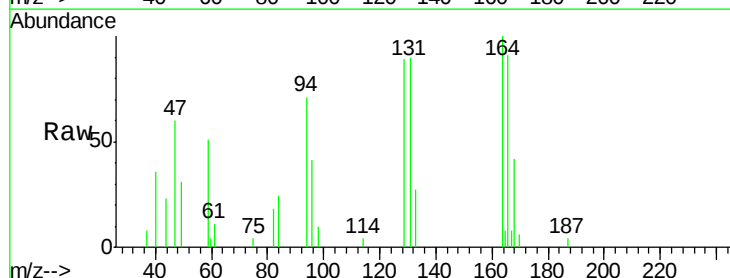
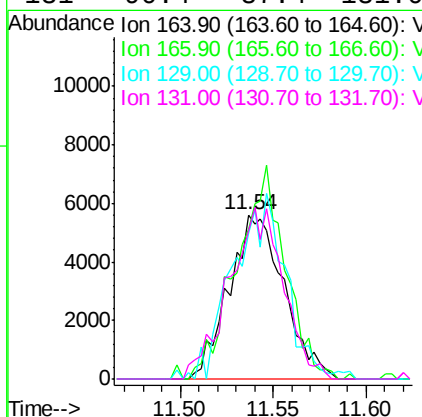
Manual Integrations
APPROVED

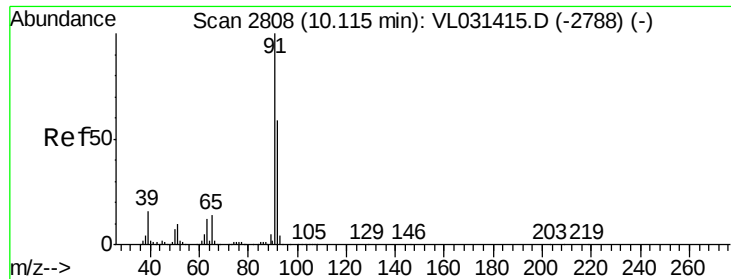
MMDadoda
1/24/2018 5:10:23 PM



#52
Tetrachloroethene
Concen: 0.13 ppbv
RT: 11.54 min Scan# 3250
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	91.3	100.2	150.2#
129	85.4	91.4	137.0#
131	90.4	87.4	131.0





#53

Toluene

Concen: 0.09 ppbv m

RT: 10.11 min Scan# 2807

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

Tot Ion: 91 Resp: 24452

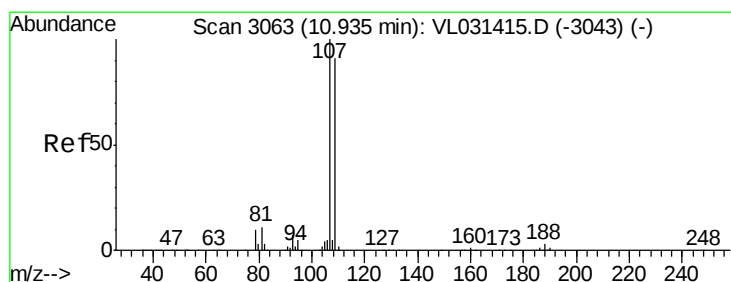
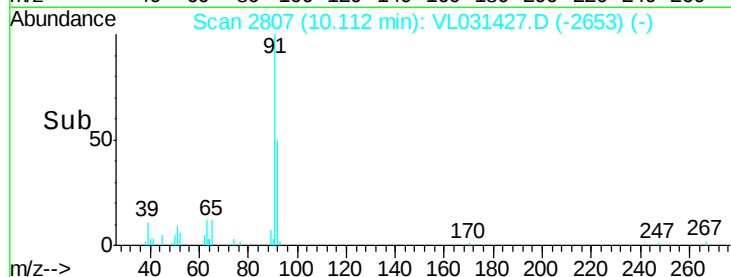
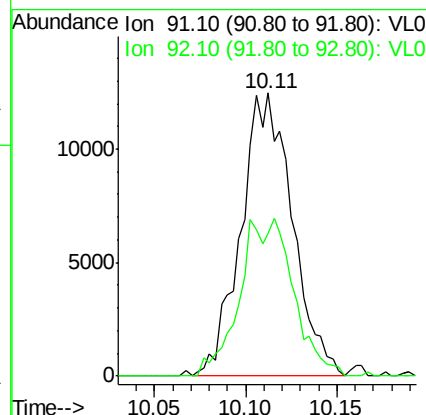
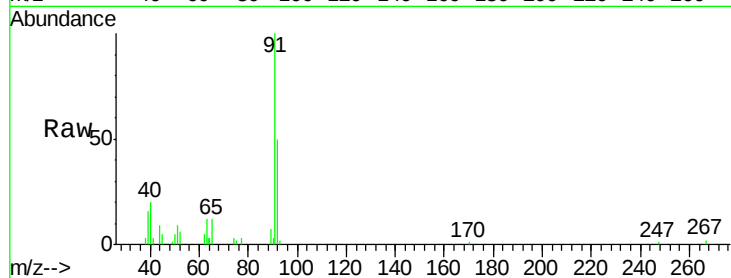
Ion Ratio Lower Upper

91 100

92 58.1 47.8 71.6

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 0.11 ppbv m

RT: 10.93 min Scan# 3060

Delta R.T. -0.01 min

Lab File: VL031427.D

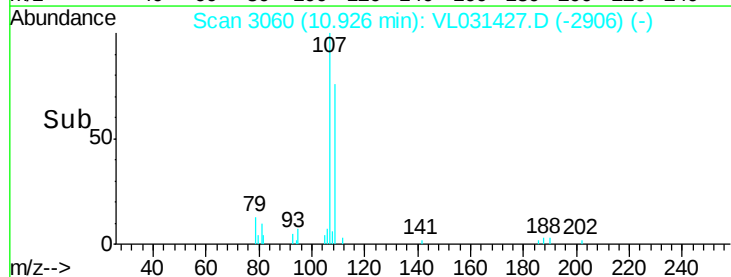
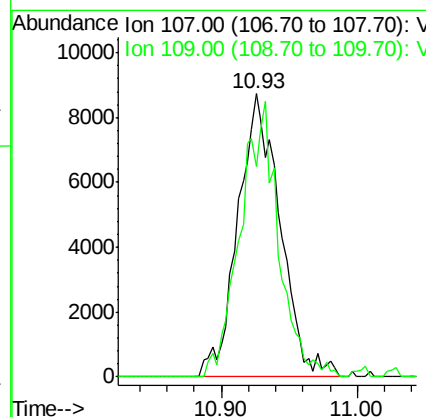
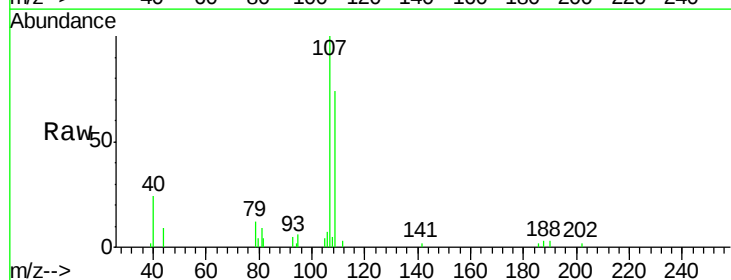
Acq: 22 Jan 2018 22:27

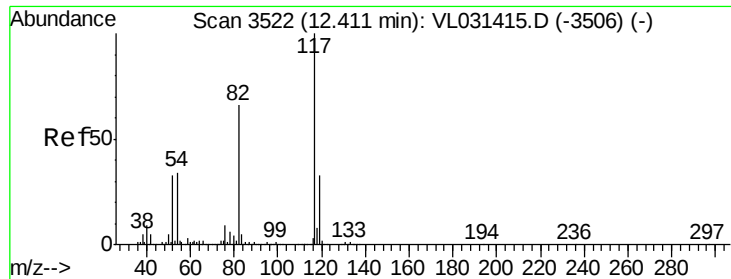
Tgt Ion: 107 Resp: 18753

Ion Ratio Lower Upper

107 100

109 74.2 75.5 113.3#





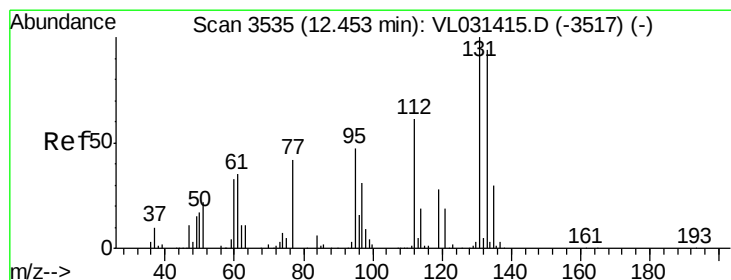
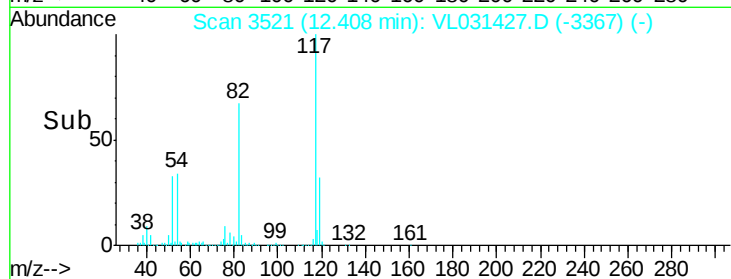
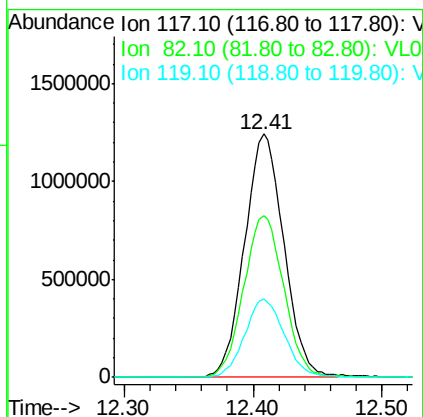
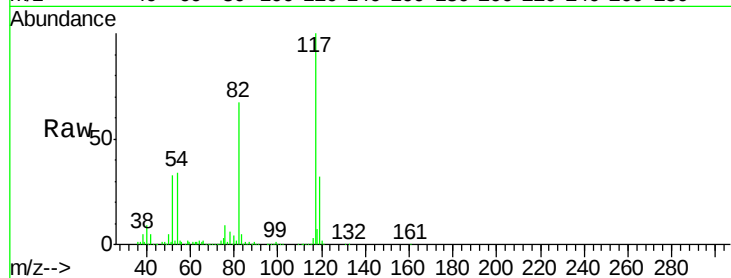
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3521
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.4	51.8	77.6
119	32.9	24.2	36.2

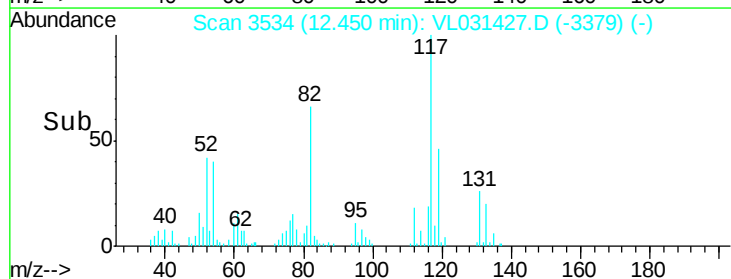
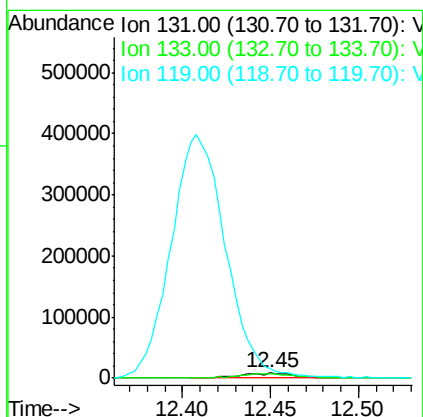
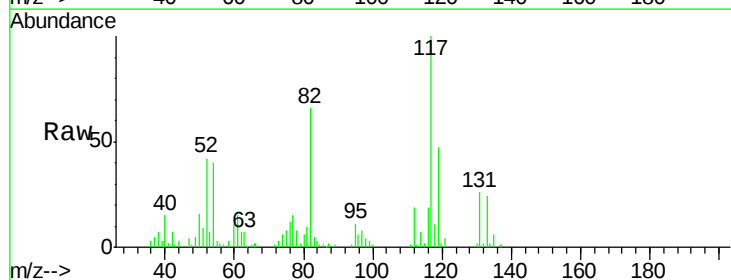
Manual Integrations
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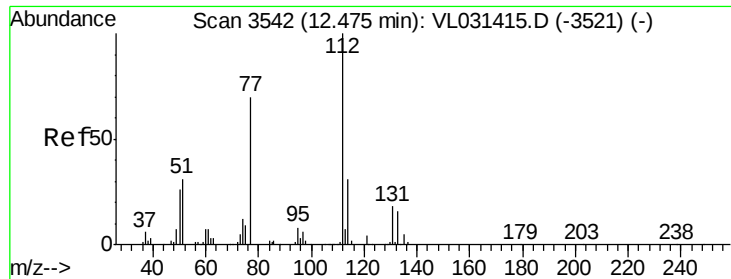
MMDadoda
1/24/2018 5:10:23 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 0.14 ppbv m
RT: 12.45 min Scan# 3534
Delta R.T. -0.00 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.4	76.9	115.3
119	0.0	47.7	71.5#





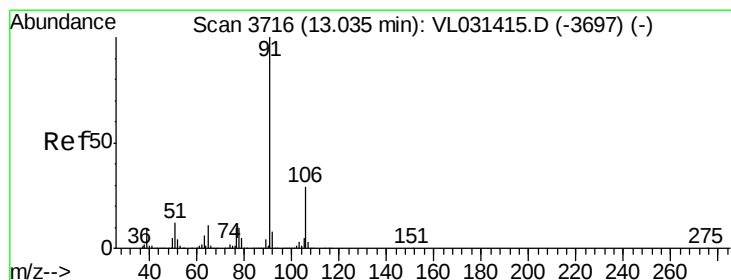
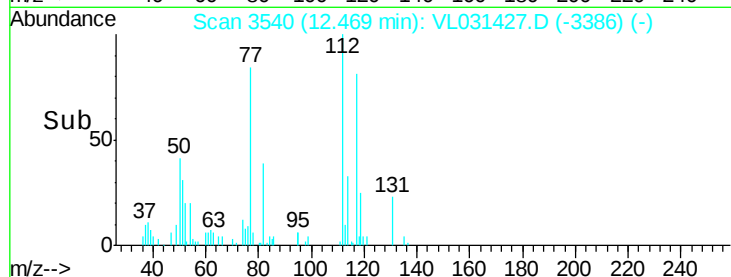
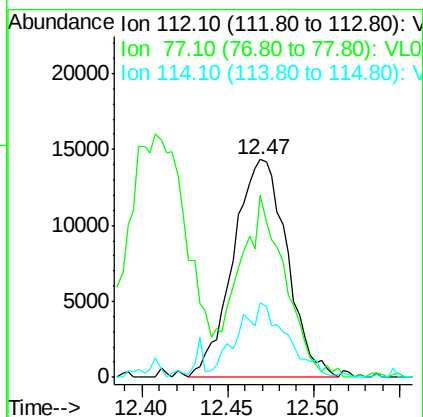
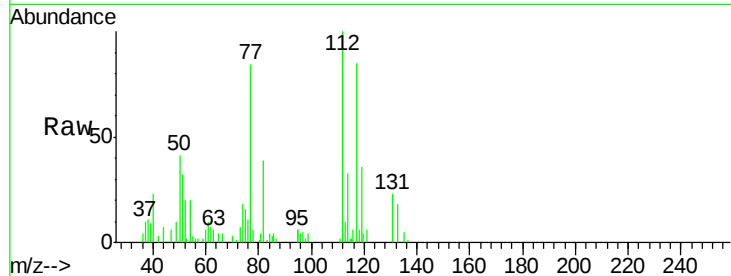
#57
Chlorobenzene
Concen: 0.14 ppbv
RT: 12.47 min Scan# 3540
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
112	100		
77	79.8	56.0	84.0
114	33.3	29.1	35.5

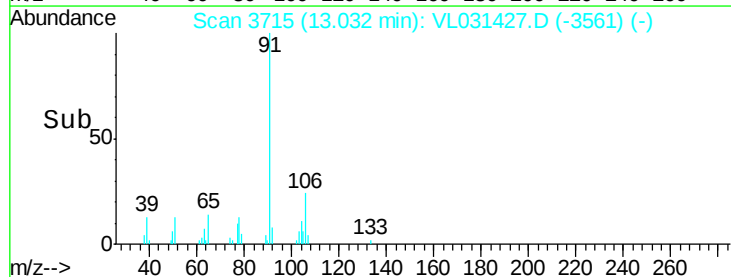
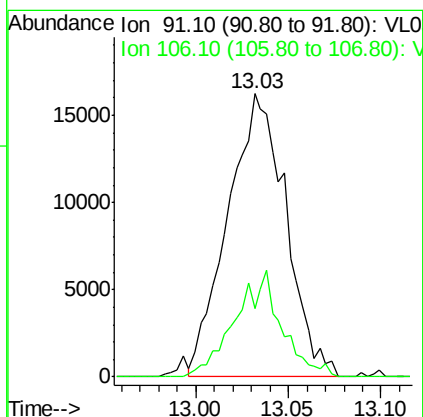
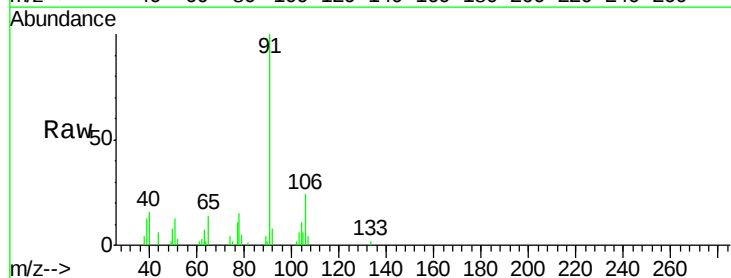
Manual Integrations
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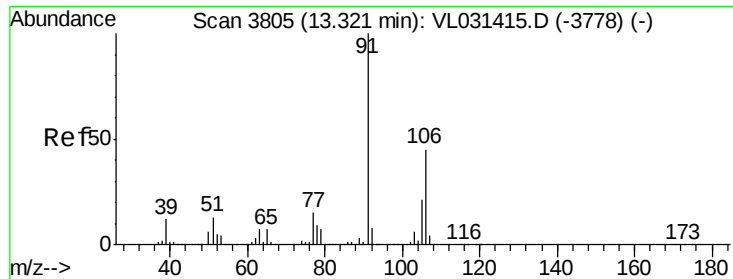
MMDadoda
1/24/2018 5:10:23 PM



#58
Ethyl Benzene
Concen: 0.09 ppbv
RT: 13.03 min Scan# 3715
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
91	100		
106	24.3	23.8	35.6





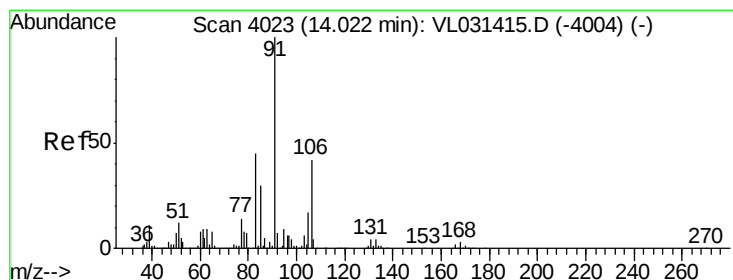
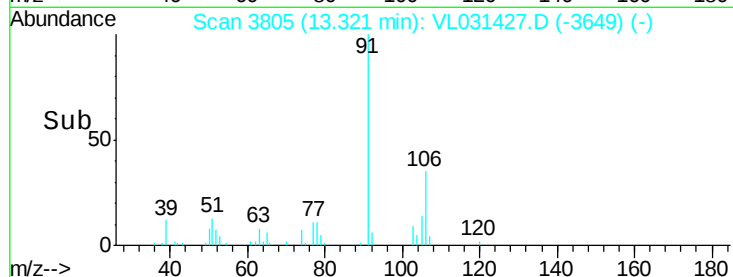
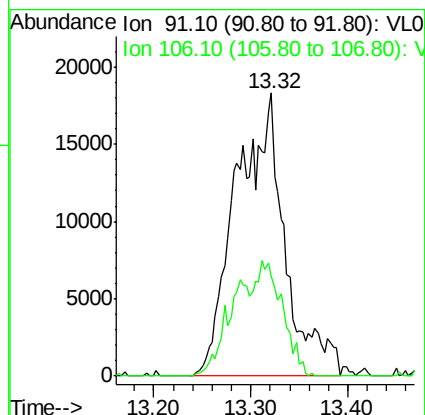
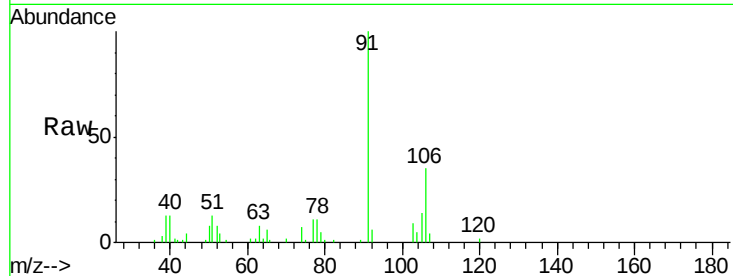
#59
m/p-Xylene
Concen: 0.19 ppbv m
RT: 13.32 min Scan# 3805
Delta R.T. 0.00 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

Tot Ion: 91 Resp: 64134
Ion Ratio Lower Upper
91 100
106 39.7 35.6 53.4

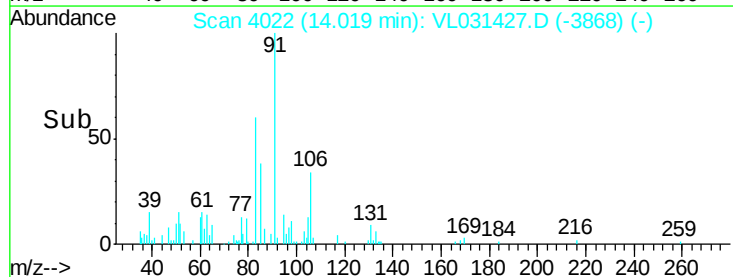
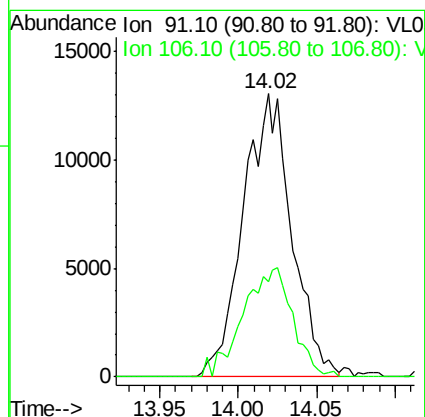
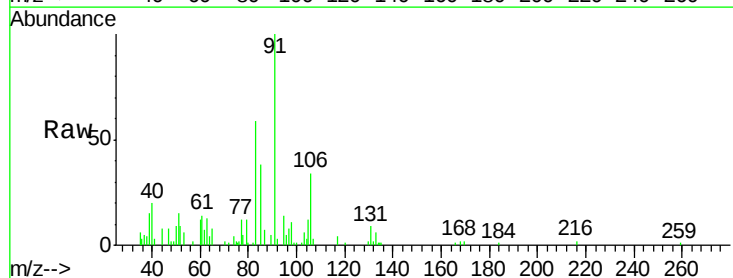
Manual Integrations
APPROVED

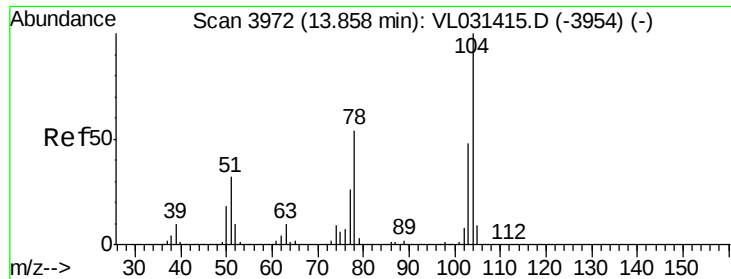
MMDadoda
1/24/2018 5:10:23 PM



#60
o-Xylene
Concen: 0.09 ppbv m
RT: 14.02 min Scan# 4022
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion: 91 Resp: 28175
Ion Ratio Lower Upper
91 100
106 39.4 21.3 64.0





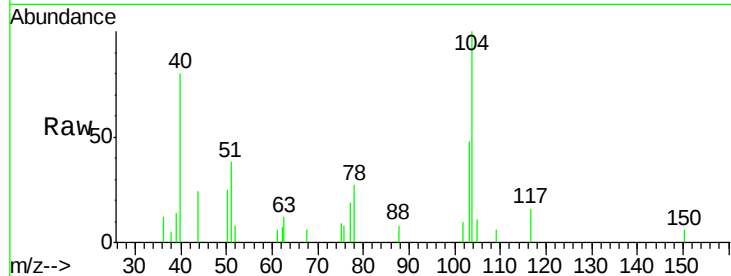
#61
Stvrene
Concen: 0.08 ppbv m
RT: 13.85 min Scan# 3970
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

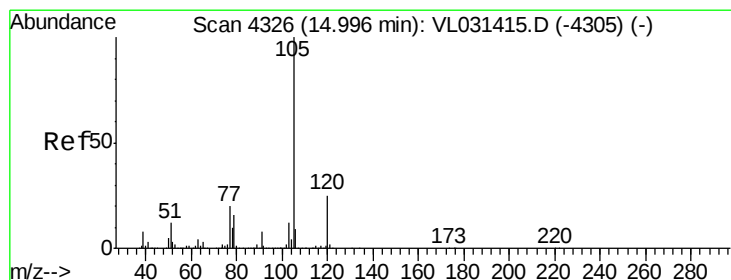
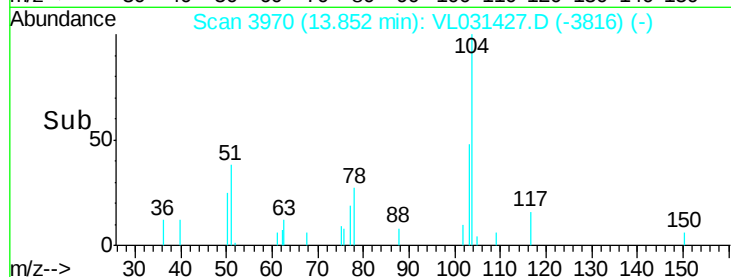
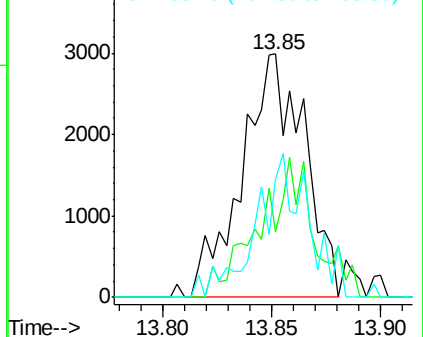
Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	45.4	68.0#
103	0.0	38.6	57.8#

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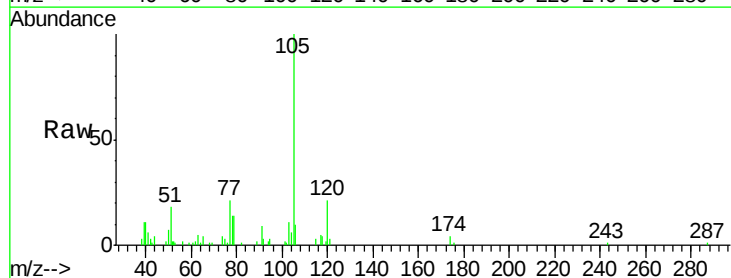


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

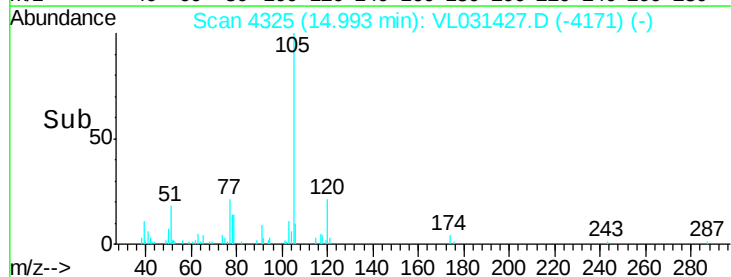
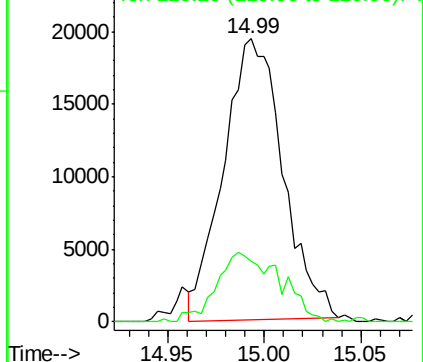


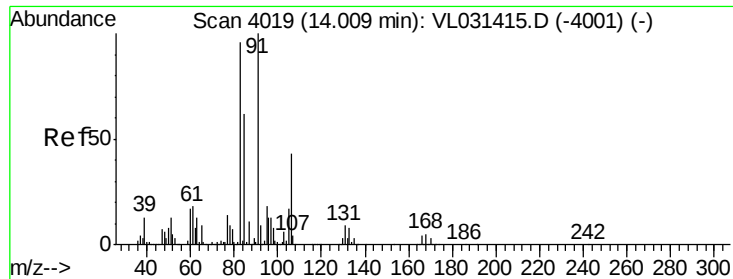
#62
Isopropylbenzene
Concen: 0.10 ppbv
RT: 14.99 min Scan# 4325
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	19.9	29.9



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.12 ppbv m

RT: 14.00 min Scan# 4017

Delta R.T. -0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

Tot Ion: 83 Resp: 27998

Ion Ratio Lower Upper

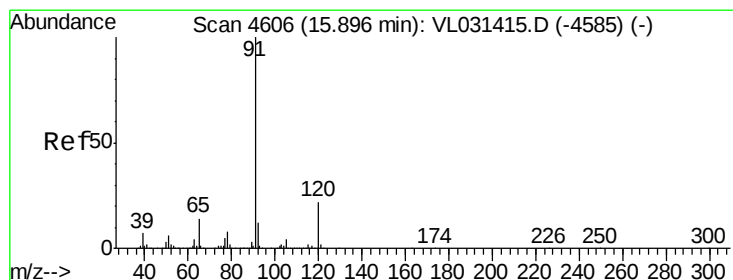
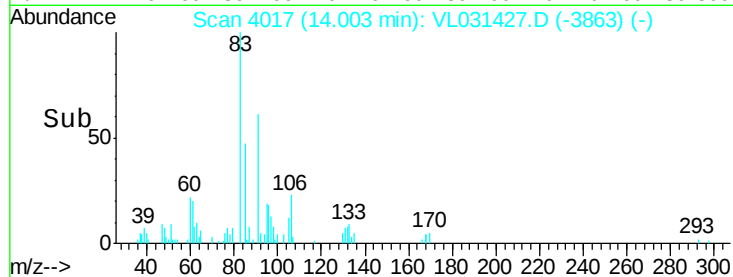
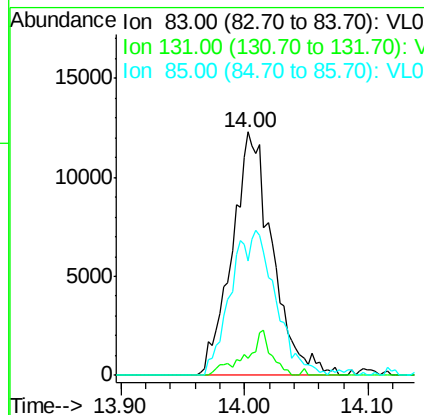
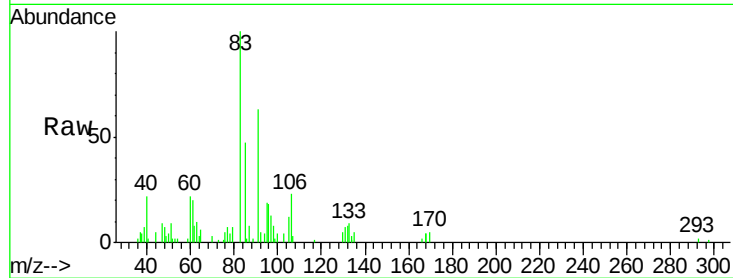
83 100

131 0.0 4.8 14.3#

85 0.0 32.4 97.0#

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#64

n-propylbenzene

Concen: 0.09 ppbv m

RT: 15.89 min Scan# 4604

Delta R.T. -0.01 min

Lab File: VL031427.D

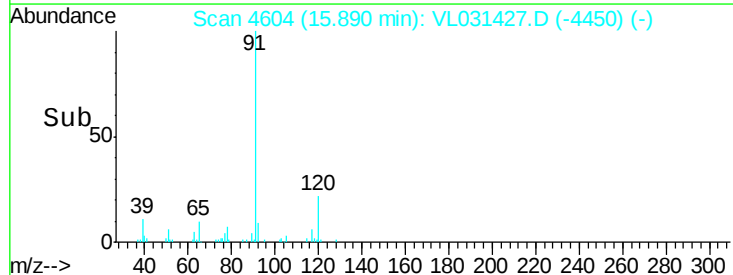
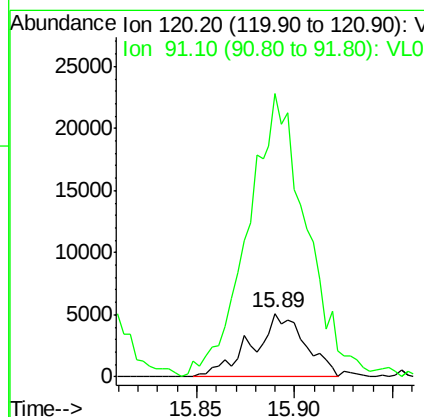
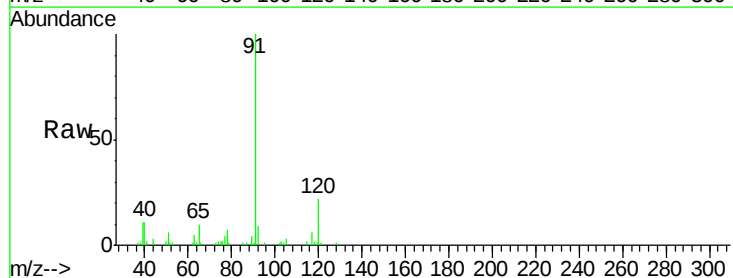
Acq: 22 Jan 2018 22:27

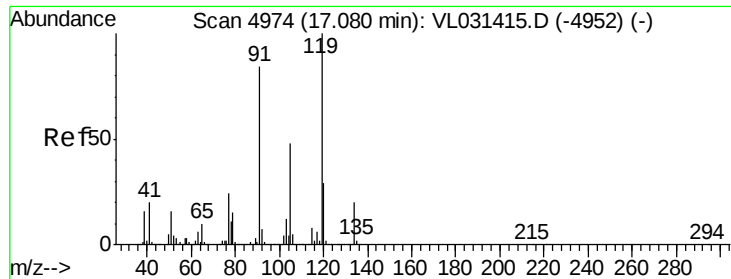
Tgt Ion: 120 Resp: 9526

Ion Ratio Lower Upper

120 100

91 509.5 389.8 584.6





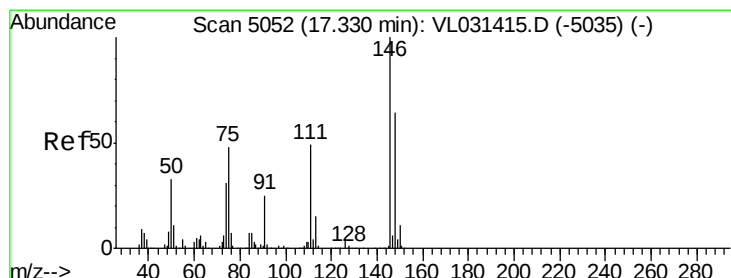
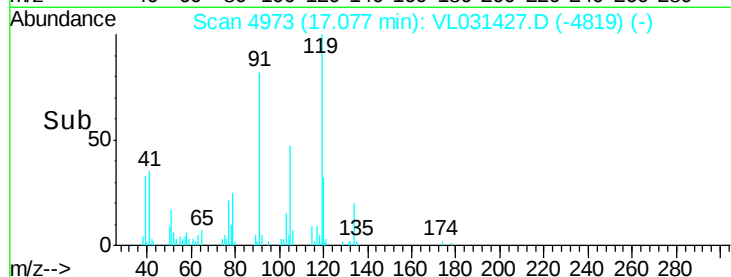
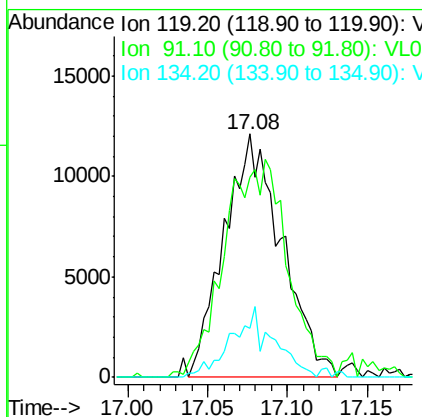
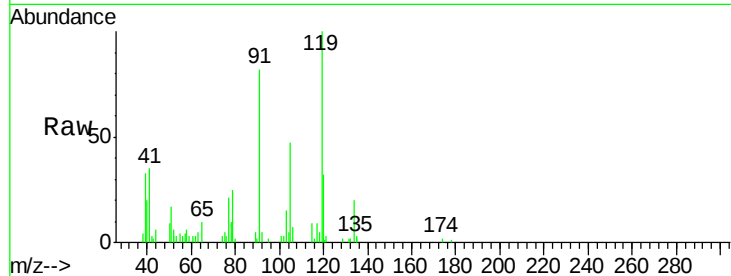
#65
tert-Butylbenzene
Concen: 0.08 ppbv m
RT: 17.08 min Scan# 4973
Delta R.T. -0.01 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	69.0	103.6#
134	0.0	15.7	23.5#

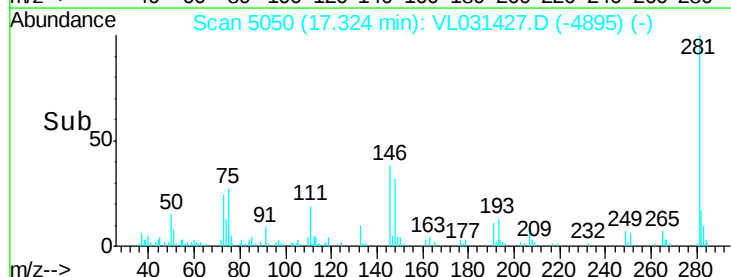
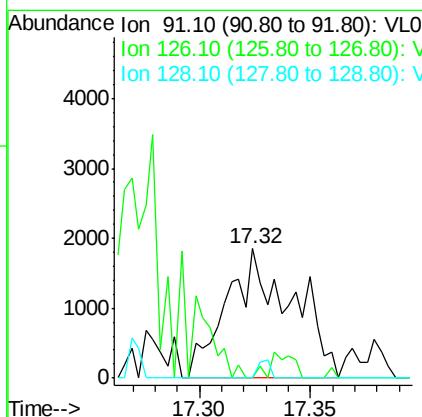
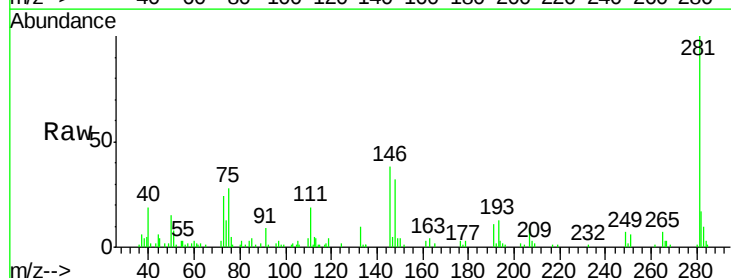
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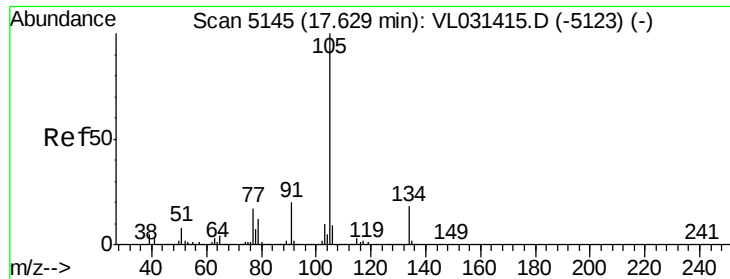
MMDadoda
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#66
Benzyl Chloride
Concen: 0.10 ppbv m
RT: 17.32 min Scan# 5050
Delta R.T. -0.00 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.8	20.8#
128	0.0	4.6	6.8#





#67

sec-Butylbenzene

Concen: 0.09 ppbv

RT: 17.63 min Scan# 5145

Delta R.T. -0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

Tot Ion: 105 Resp: 46588

Ion Ratio Lower Upper

105 100

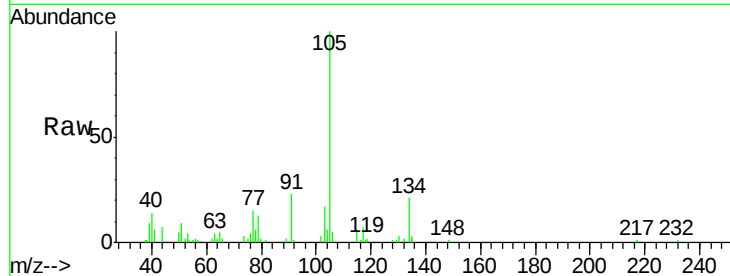
134 19.7 14.5 21.7

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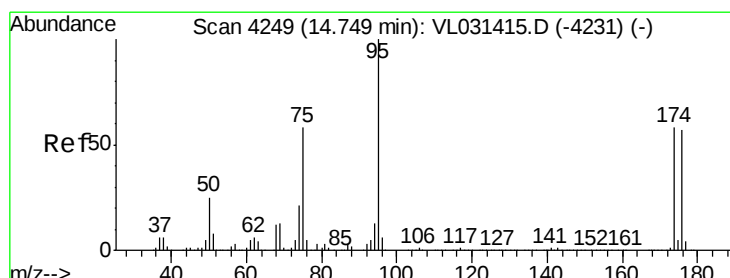
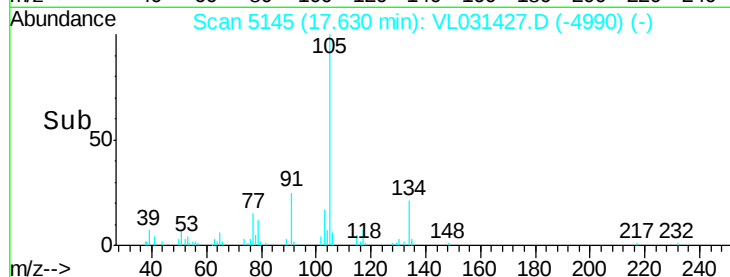
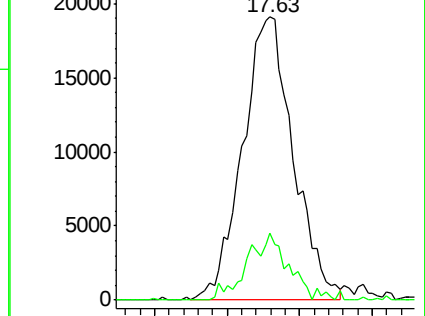
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.42 ppbv

RT: 14.75 min Scan# 4248

Delta R.T. -0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

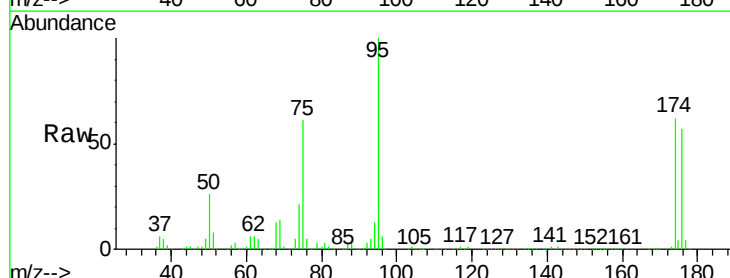
Tgt Ion: 95 Resp: 2203725

Ion Ratio Lower Upper

95 100

174 60.9 48.2 72.4

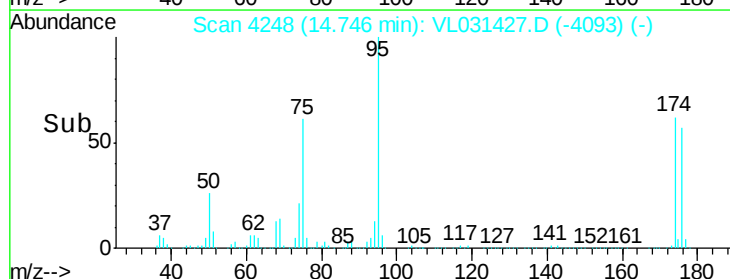
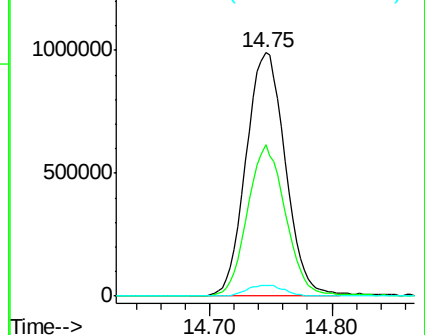
175 4.5 3.6 5.4

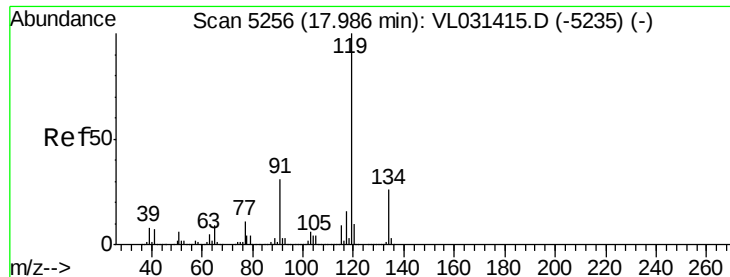


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





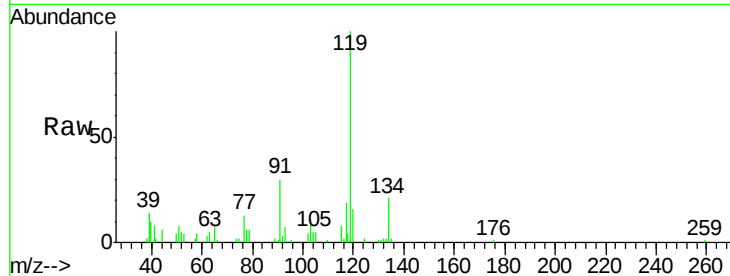
#69
 p-Isopropyltoluene
 Concen: 0.09 ppbv m
 RT: 17.98 min Scan# 5254
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

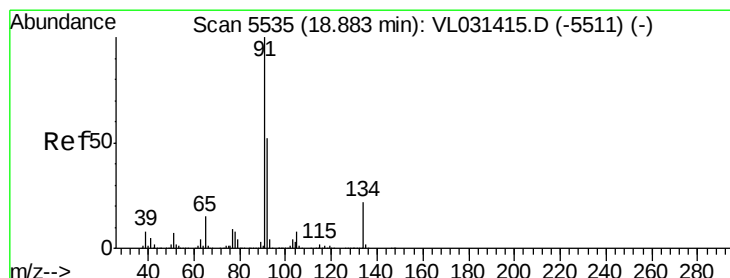
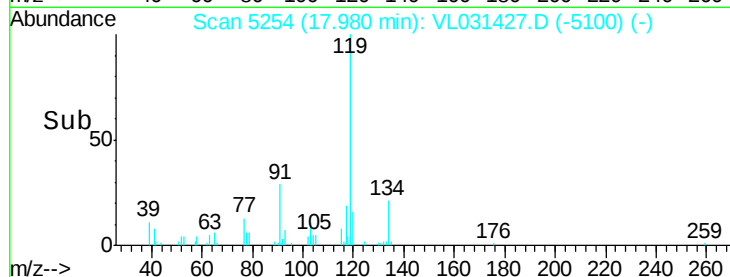
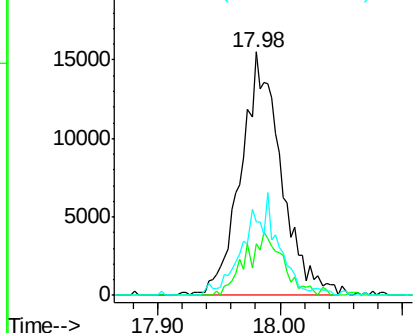
Tot Ion	Ratio	Resp	Lower	Upper
119	100	35279		
134	0.0	20.2	30.4#	
91	0.0	25.0	37.4#	

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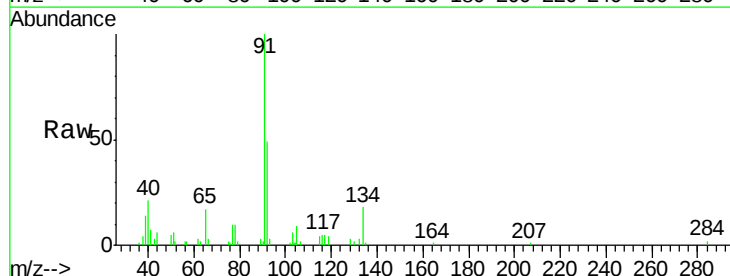


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

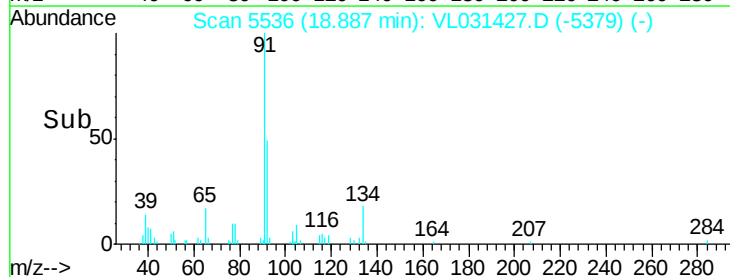
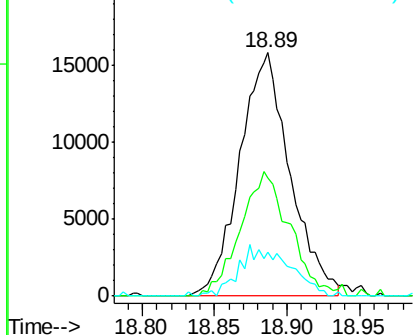


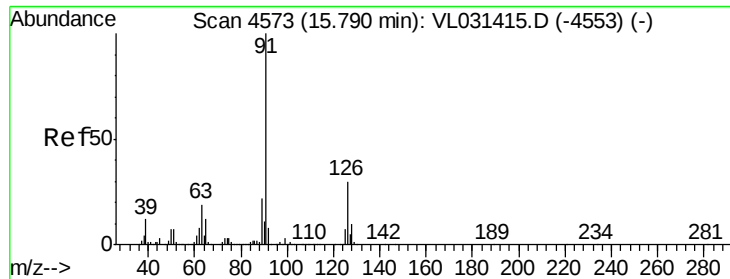
#70
 n-Butylbenzene
 Concen: 0.09 ppbv
 RT: 18.89 min Scan# 5536
 Delta R.T. 0.00 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	38238		
92	50.4	42.2	63.4	
134	20.6	17.4	26.2	



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





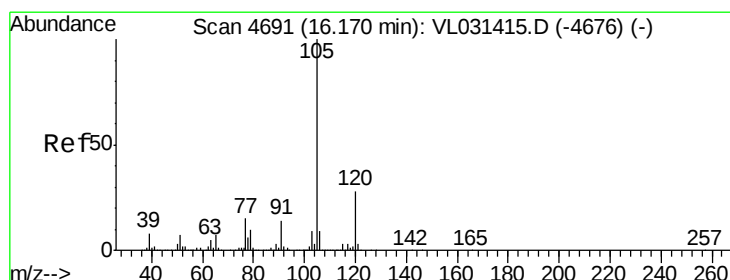
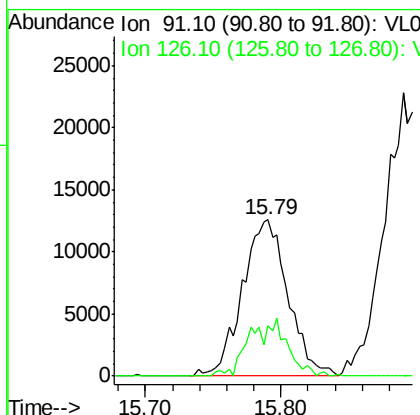
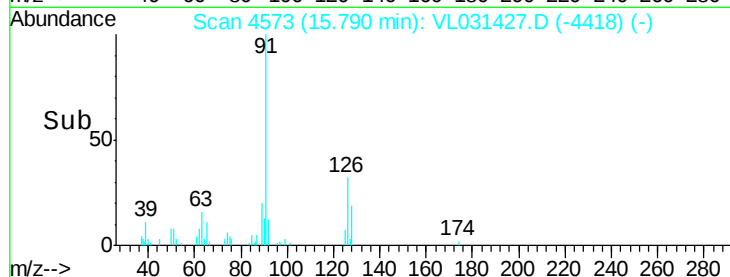
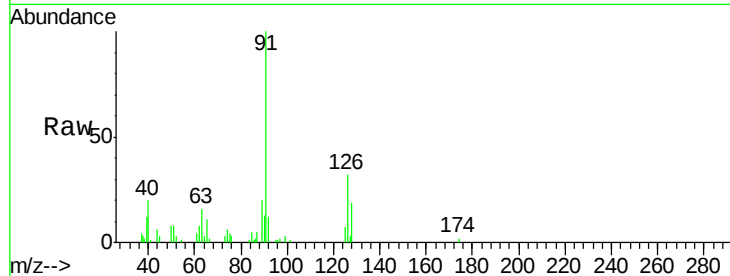
#71
2-Chlorotoluene
Concen: 0.09 ppbv m
RT: 15.79 min Scan# 4573
Delta R.T. -0.00 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-2

Tot Ion: 91 Resp: 29474
Ion Ratio Lower Upper
91 100
126 30.7 11.7 46.9

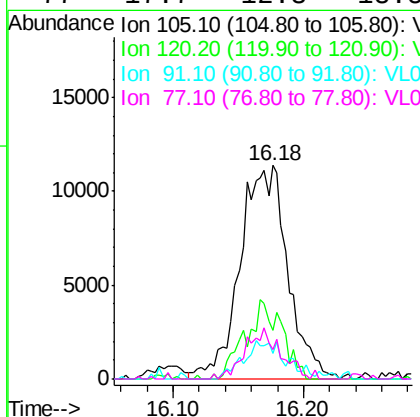
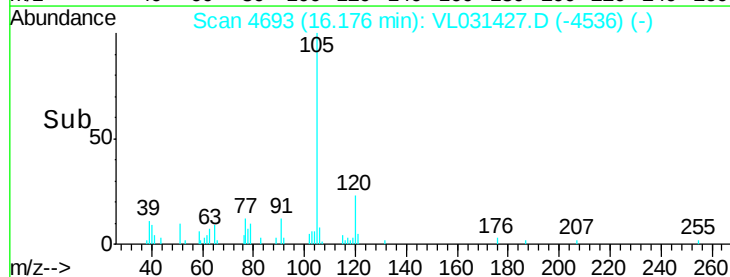
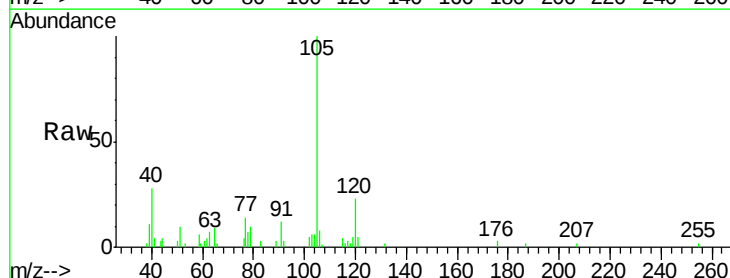
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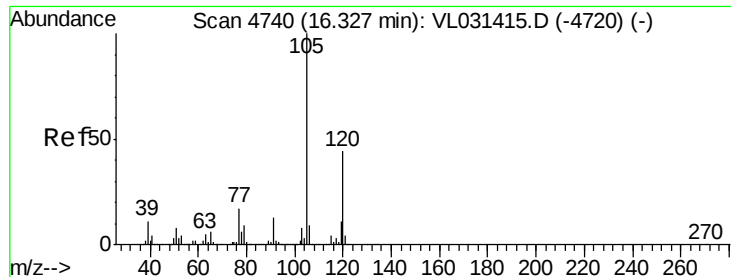
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#72
4-Ethyltoluene
Concen: 0.09 ppbv m
RT: 16.18 min Scan# 4693
Delta R.T. 0.00 min
Lab File: VL031427.D
Acq: 22 Jan 2018 22:27

Tgt Ion: 105 Resp: 28876
Ion Ratio Lower Upper
105 100
120 28.4 23.0 34.6
91 15.8 11.0 16.4
77 17.7 12.3 18.5





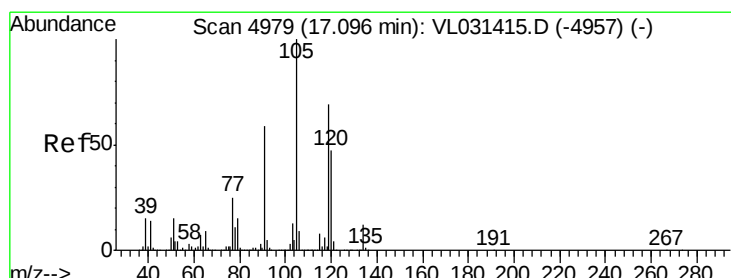
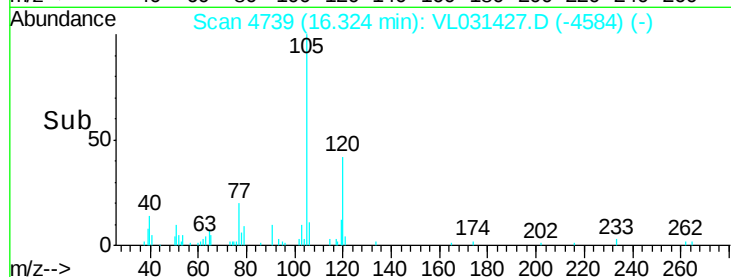
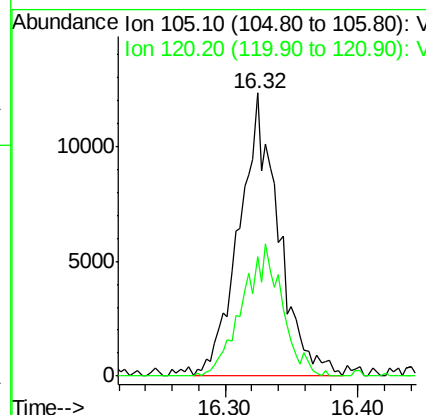
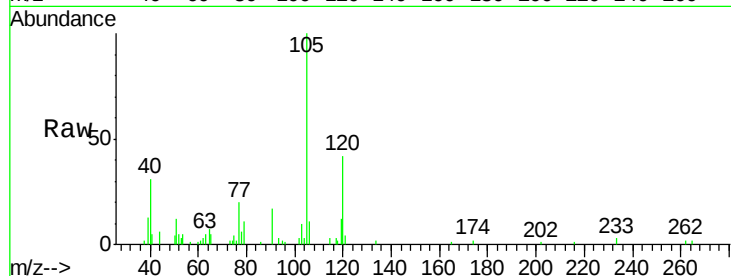
#73
 1,3,5-Trimethylbenzene
 Concen: 0.08 ppbv m
 RT: 16.32 min Scan# 4739
 Delta R.T. -0.00 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
105	100		
120	42.1	35.8	53.6

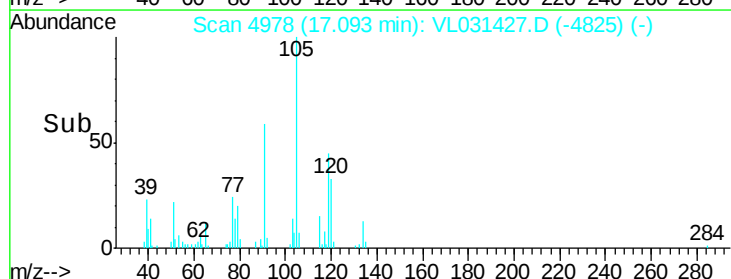
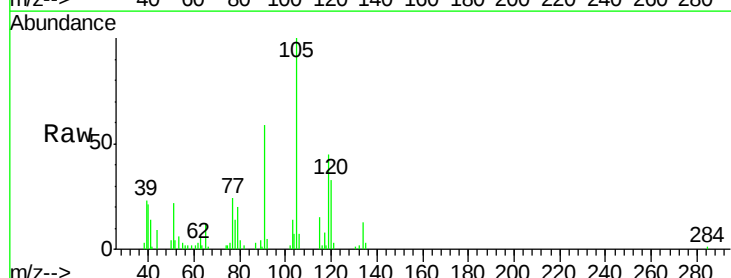
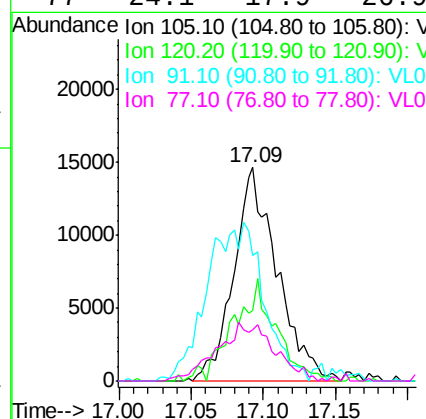
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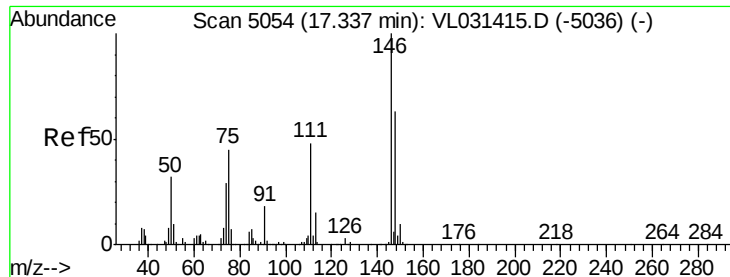
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.09 ppbv m
 RT: 17.09 min Scan# 4978
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	32.9	37.0	55.6#
91	58.7	35.1	52.7#
77	24.1	17.9	26.9





#75

1,3-Dichlorobenzene

Concen: 0.14 ppbv m

RT: 17.34 min Scan# 5055

Delta R.T. 0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

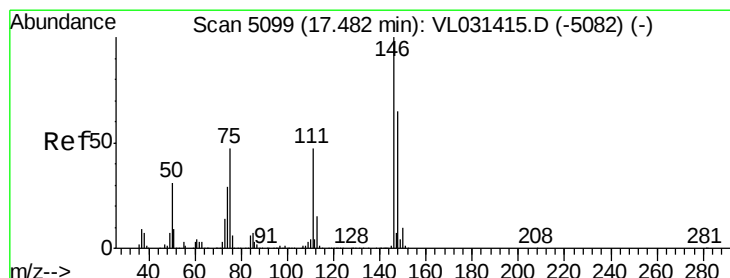
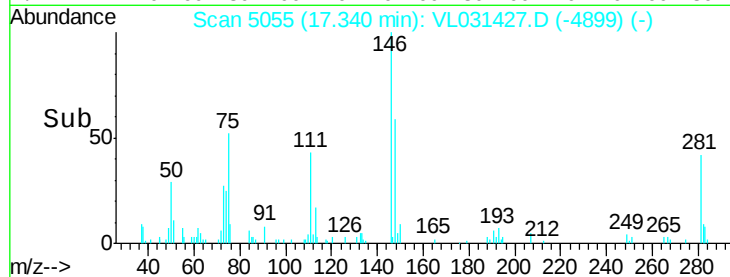
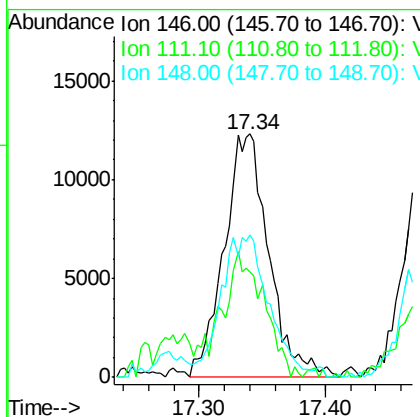
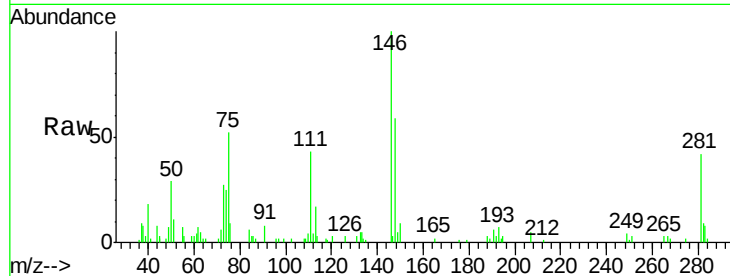
ClientSampleId :

MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
146	100		
111	65.3	24.2	72.6
148	0.0	32.1	96.3#

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#76

1,4-Dichlorobenzene

Concen: 0.13 ppbv m

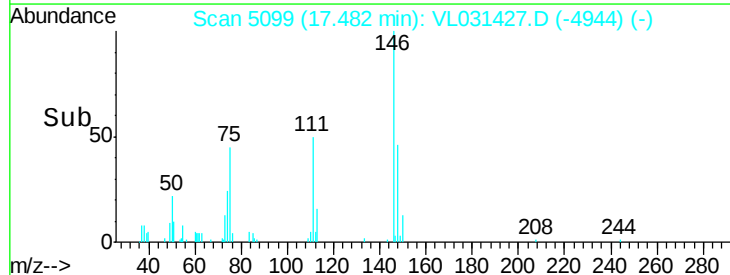
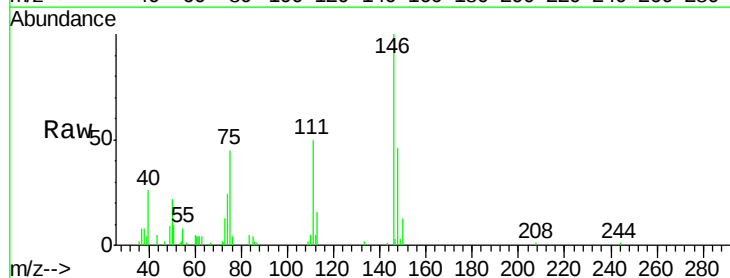
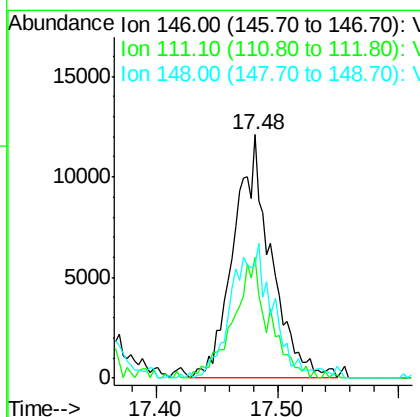
RT: 17.48 min Scan# 5099

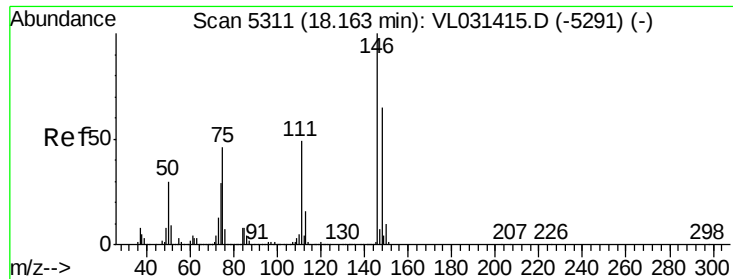
Delta R.T. -0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.3	69.9#
148	0.0	32.4	97.2#





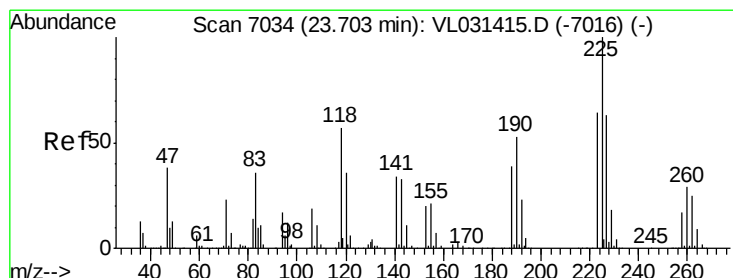
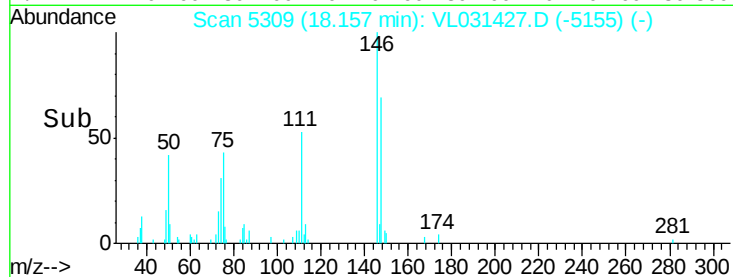
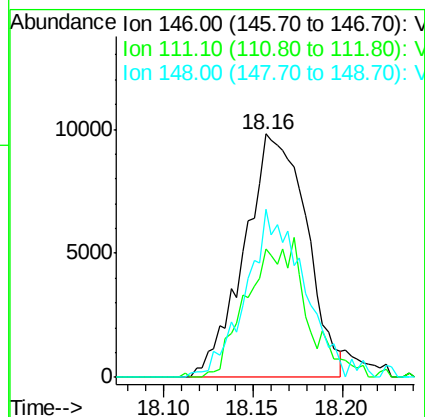
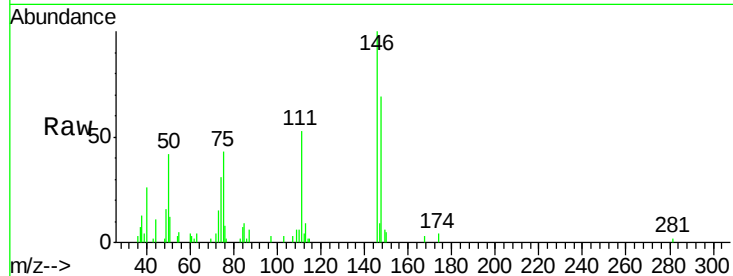
#77
 1,2-Dichlorobenzene
 Concen: 0.12 ppbv
 RT: 18.16 min Scan# 5309
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Instrument :
 MSVOA_L
 ClientSampled :
 MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
146	100		
111	54.5	24.6	74.0
148	65.0	32.3	96.8

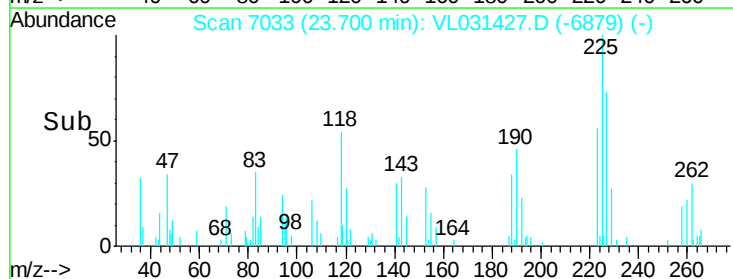
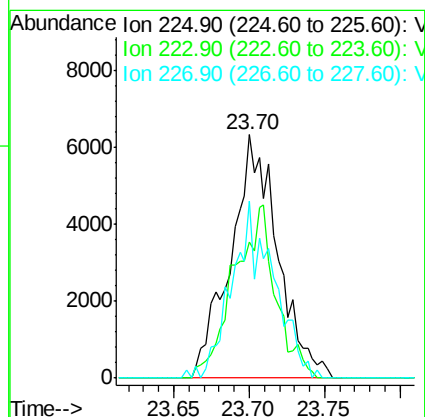
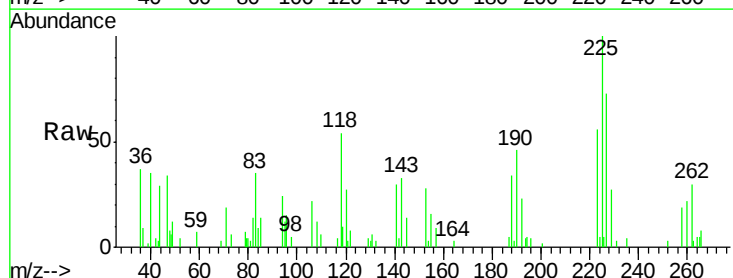
Manual Integrations
 APPROVED

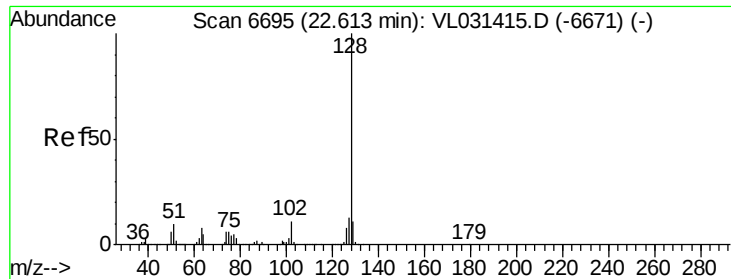
MMDadoda
 1/24/2018 5:10:23 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.19 ppbv m
 RT: 23.70 min Scan# 7033
 Delta R.T. -0.01 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.3	76.9#
227	63.8	50.7	76.1





#79

Naphthalene

Concen: 0.08 ppbv m

RT: 22.62 min Scan# 6696

Delta R.T. 0.00 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Instrument :

MSVOA_L

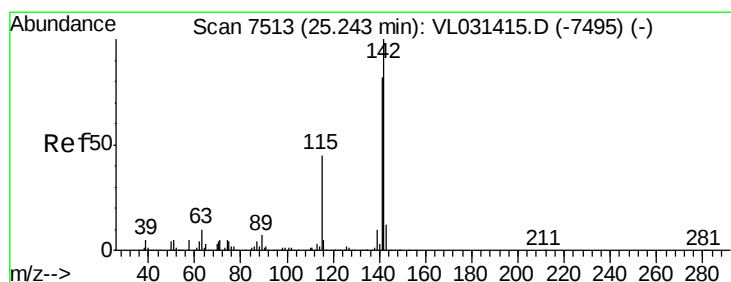
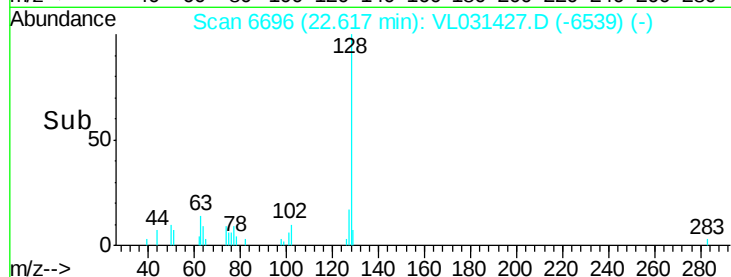
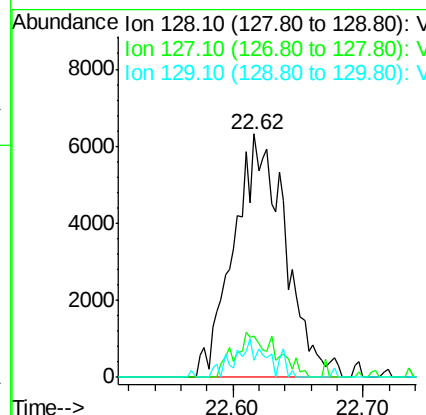
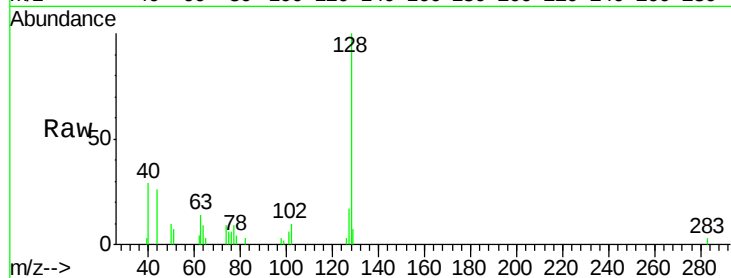
ClientSampleId :

MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.9	10.6	16.0#
129	6.8	9.2	13.8#

Manual Integrations
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1/24/2018 5:10:23 PM



#80

Naphthalene, 2-methyl-

Concen: 0.07 ppbv

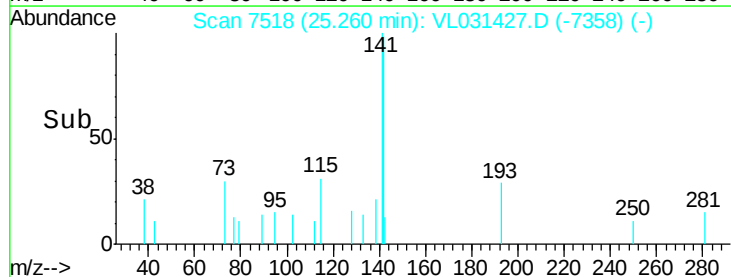
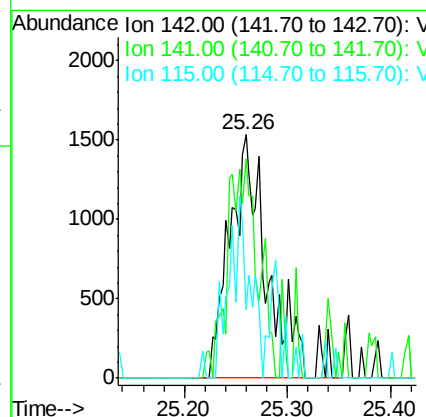
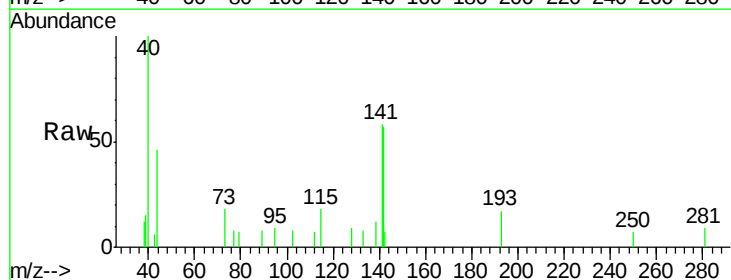
RT: 25.26 min Scan# 7518

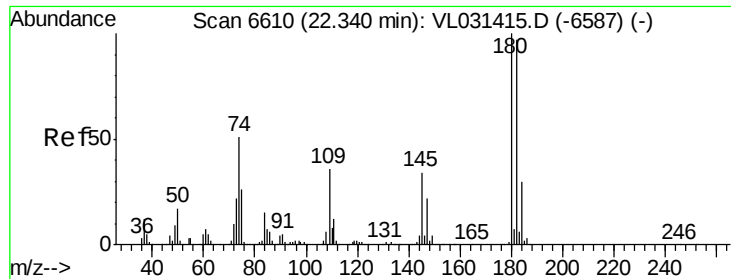
Delta R.T. 0.01 min

Lab File: VL031427.D

Acq: 22 Jan 2018 22:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.1	68.7	103.1
115	41.0	36.3	54.5





#81
 1,2,4-Trichlorobenzene
 Concen: 0.12 ppbv m
 RT: 22.34 min Scan# 6610
 Delta R.T. 0.00 min
 Lab File: VL031427.D
 Acq: 22 Jan 2018 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Tot Ion:	180	Resp:	13148
Ion Ratio	Lower	Upper	
180	100		
182	0.0	76.2	114.4#
184	0.0	24.2	36.4#

Manual Integrations
 APPROVED

MMDadoda
 1/24/2018 5:10:23 PM

