

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031415.D
 Acq On : 22 Jan 2018 13:14
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 1/24/2018 5:10:09 PM

Quant Time: Jan 22 16:41:54 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 18
 QLast Update : Thu Jan 18 06:41:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1490204	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3458774	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3381218m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2684675	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.17	85	1629271	5.66	ppbv	99
3) Chlorodifluoromethane	3.11	51	1622600	7.38	ppbv	99
4) Chloromethane	3.27	50	723916	7.31	ppbv	100
5) Vinyl Chloride	3.40	62	743526	7.26	ppbv	98
6) Bromomethane	3.62	94	527757	7.71	ppbv	98
7) Chloroethane	3.71	64	304172	7.59	ppbv	99
8) Dichlorotetrafluoroethane	3.32	85	1898156	7.20	ppbv	100
9) Propene	3.13	41	599255	7.39	ppbv	100
10) Heptane	8.40	43	1909259	7.84	ppbv	98
11) Trichlorofluoromethane	4.13	101	2299395	7.50	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.68	101	1456238	7.49	ppbv	100
13) Ethanol	3.76	45	151202	3.72	ppbv	98
14) Bromoethene	3.90	108	613673	7.66	ppbv	100
15) Acetone	4.02	43	1516369	6.13	ppbv	99
16) 1,3-Butadiene	3.47	39	740311	8.01	ppbv	94
17) tert-Butyl alcohol	4.48	59	834832	7.37	ppbv	100
18) 1,1-Dichloroethene	4.48	96	651801	7.64	ppbv	97
19) Isopropyl Alcohol	4.14	45	1022652	6.04	ppbv #	99
20) Methylene Chloride	4.53	84	588897	6.60	ppbv	97
21) Allyl Chloride	4.60	41	1039094	7.76	ppbv	99
22) trans-1,2-Dichloroethene	5.10	96	681731	7.50	ppbv	98
23) Vinyl Acetate	5.29	43	2113676	7.54	ppbv	99
24) 1,1-Dichloroethane	5.23	63	1741078	7.35	ppbv	100
25) Ethyl Acetate	5.91	43	3276139	7.76	ppbv	100
26) Hexane	5.93	57	1460188	8.26	ppbv	100
27) Carbon Disulfide	4.75	76	1834729	7.78	ppbv	100
28) Methyl tert-Butyl Ether	5.25	73	1667474	7.75	ppbv	100
29) Chloroform	5.99	83	2597742	8.55	ppbv	98
30) Cyclohexane	7.40	84	1187381	8.40	ppbv	100
31) cis-1,2-Dichloroethene	5.78	61	1444745	8.40	ppbv	98
32) 1,1,1-Trichloroethane	6.77	97	2579583	8.11	ppbv	99
34) 2-Butanone	5.47	43	1957056	6.80	ppbv	100
35) Carbon Tetrachloride	7.29	117	2741677	8.30	ppbv	97
36) Benzene	7.16	78	2961598	8.27	ppbv	99
37) 1,2-Dichloroethane	6.56	62	2243457	8.50	ppbv	100
38) Trichloroethene	8.13	130	1106456	7.45	ppbv	99
39) 1,2-Dichloropropane	7.90	63	997074	7.53	ppbv	96
40) 1,4-Dioxane	8.11	88	400939	6.03	ppbv	79
41) Tetrahydrofuran	6.30	42	1270318	8.70	ppbv	99
42) Bromodichloromethane	8.08	83	2484745	7.65	ppbv	97
43) Methyl Methacrylate	8.29	69	1054404	7.90	ppbv	99

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Manual Integrations
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 1/24/2018 5:10:09 PM

Quant Time: Jan 22 16:41:54 2018
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 QLast Update : Thu Jan 18 06:41:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	4482534	7.47	ppbv	100
45) t-1,3-Dichloropropene	9.58	75	1612836	8.77	ppbv	98
46) cis-1,3-Dichloropropene	9.00	75	1901344	8.36	ppbv	99
47) 1,1,2-Trichloroethane	9.78	97	1172006	7.52	ppbv	99
48) Dibromochloromethane	10.62	129	2153616	7.81	ppbv	100
49) Bromoform	13.38	173	1660113	7.66	ppbv	99
50) 4-Methyl-2-Pentanone	9.03	43	2671938	7.04	ppbv	100
51) 2-Hexanone	10.44	43	2604013	6.75	ppbv #	99
52) Tetrachloroethene	11.55	164	1046699	7.42	ppbv	97
53) Toluene	10.12	91	3354061	7.95	ppbv	99
54) 1,2-Dibromoethane	10.94	107	1889177	7.73	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.45	131	1461450	8.38	ppbv	99
57) Chlorobenzene	12.48	112	2652035	8.30	ppbv	98
58) Ethyl Benzene	13.03	91	4714002	8.53	ppbv	99
59) m/p-Xylene	13.32	91	7694874m	16.85	ppbv	
60) o-Xylene	14.02	91	3934572	8.44	ppbv	100
61) Styrene	13.86	104	979825	9.59	ppbv	99
62) Isopropylbenzene	15.00	105	4893327	8.35	ppbv	100
63) 1,1,2,2-Tetrachloroethane	14.01	83	2551578	7.26	ppbv	100
64) n-propylbenzene	15.90	120	1233565	8.38	ppbv	100
65) tert-Butylbenzene	17.08	119	4283260	8.22	ppbv	100
66) Benzyl Chloride	17.33	91	459333	9.39	ppbv	100
67) sec-Butylbenzene	17.63	105	5949081	8.04	ppbv	100
69) p-Isopropyltoluene	17.99	119	4849669	8.23	ppbv	100
70) n-Butylbenzene	18.88	91	4968987	8.09	ppbv	100
71) 2-Chlorotoluene	15.79	91	3712086	8.25	ppbv	99
72) 4-Ethyltoluene	16.17	105	4056857	8.52	ppbv	100
73) 1,3,5-Trimethylbenzene	16.33	105	3618929	8.55	ppbv	99
74) 1,2,4-Trimethylbenzene	17.10	105	3868934	8.39	ppbv #	89
75) 1,3-Dichlorobenzene	17.34	146	2353687	7.93	ppbv	100
76) 1,4-Dichlorobenzene	17.48	146	2369816	8.05	ppbv	100
77) 1,2-Dichlorobenzene	18.16	146	2272416	7.74	ppbv	100
78) Hexachloro-1,3-Butadiene	23.70	225	648786	6.88	ppbv	99
79) Naphthalene	22.61	128	2635747	11.75	ppbv	99
80) Naphthalene, 2-methyl-	25.24	142	949090	17.07	ppbv	99
81) 1,2,4-Trichlorobenzene	22.34	180	1315165	10.05	ppbv	100

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

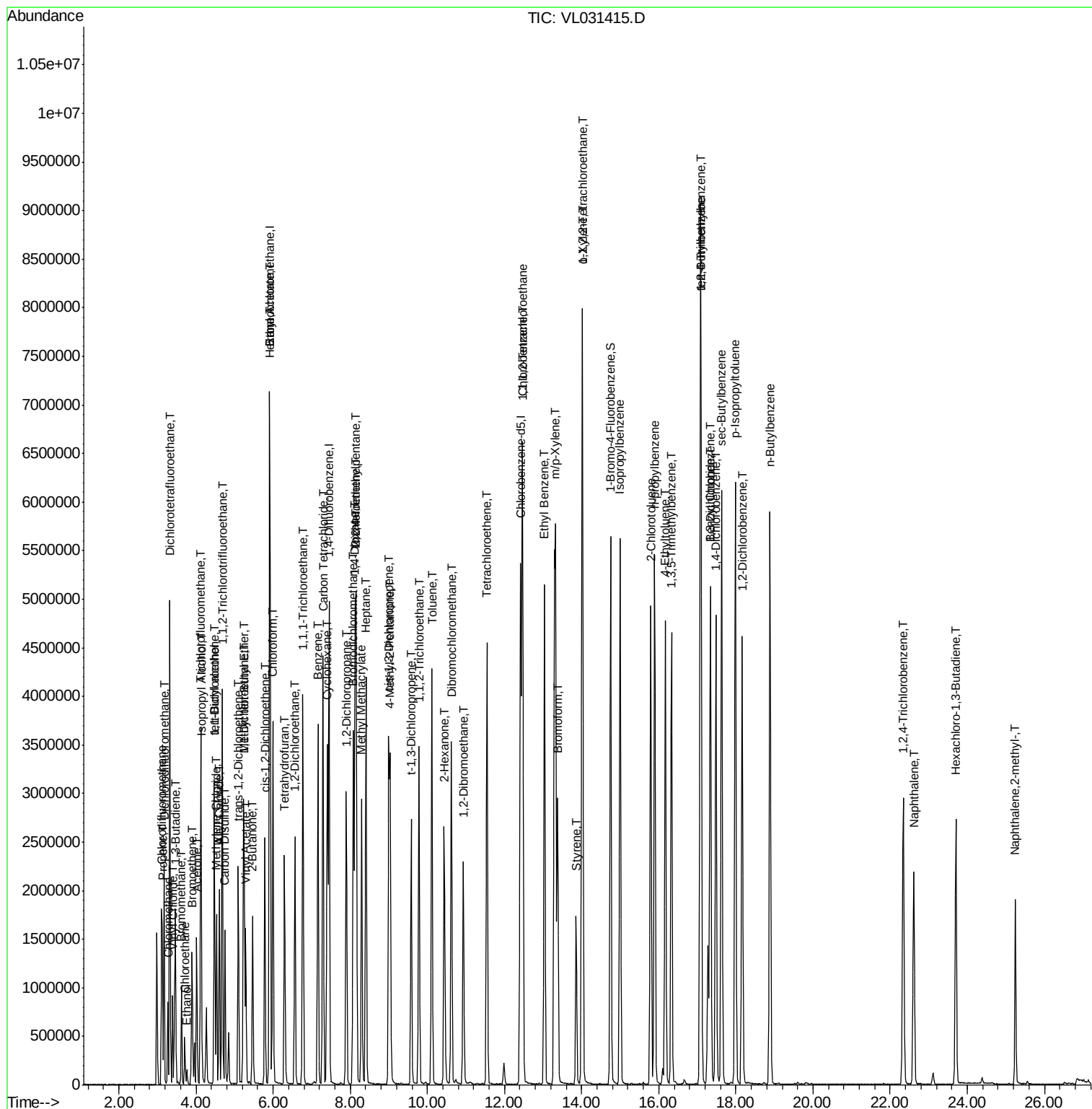
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
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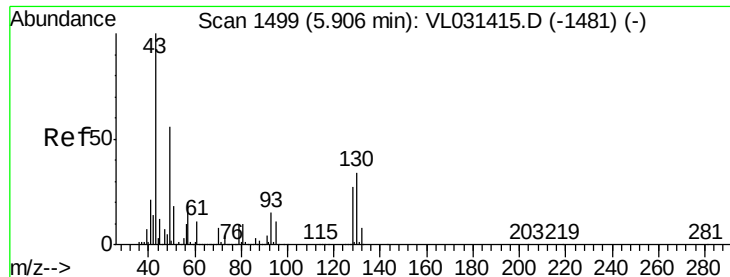
Instrument :
MSVOA_L
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VSTDICCC010

Manual Integrations

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1/24/2018 5:10:09 PM

Quant Time: Jan 22 16:41:54 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan
QLast Update : Thu Jan 18 06:41:16 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1490204

Ion Ratio Lower Upper

49 100

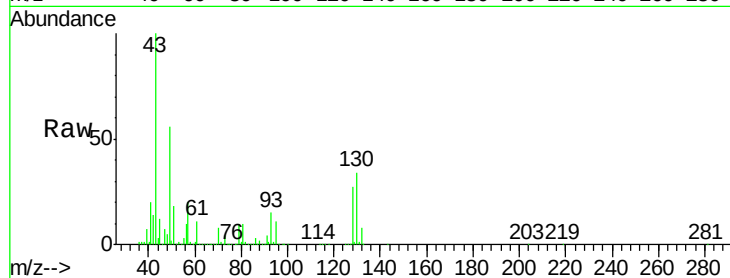
128 47.3 23.5 70.6

130 60.4 29.9 89.7

Manual Integrations
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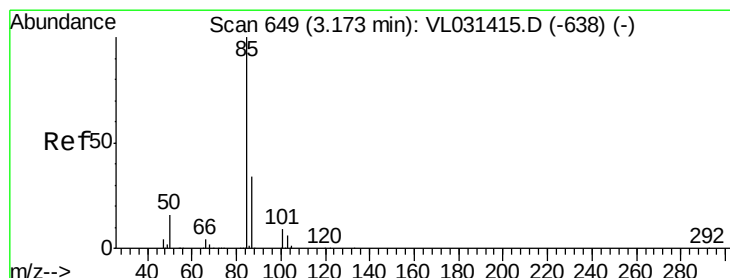
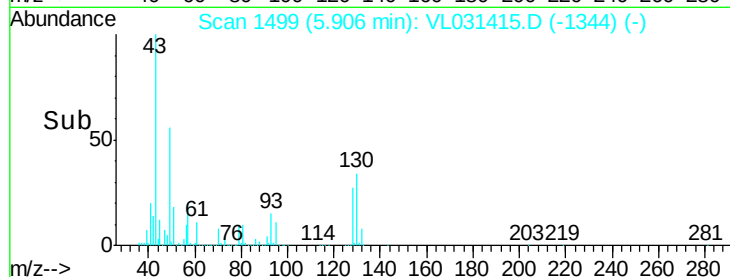
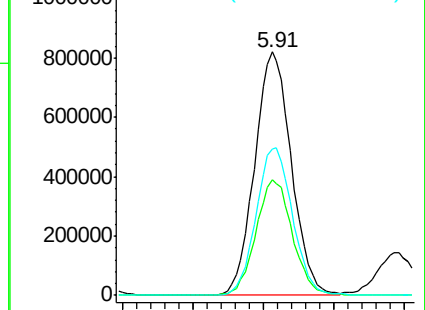
1/24/2018 5:10:09 PM



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



#2

Dichlorodifluoromethane

Concen: 5.66 ppbv

RT: 3.17 min Scan# 649

Delta R.T. -0.00 min

Lab File: VL031415.D

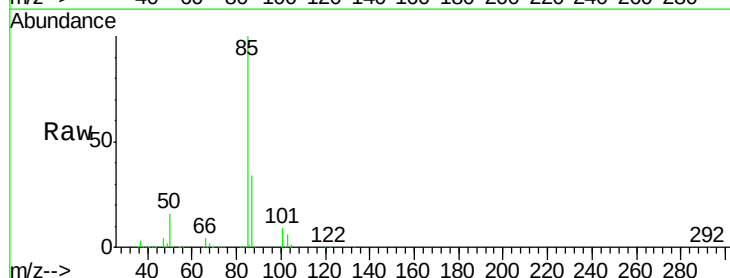
Acq: 22 Jan 2018 13:14

Tgt Ion: 85 Resp: 1629271

Ion Ratio Lower Upper

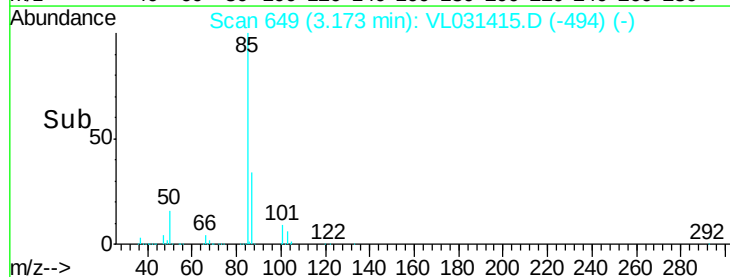
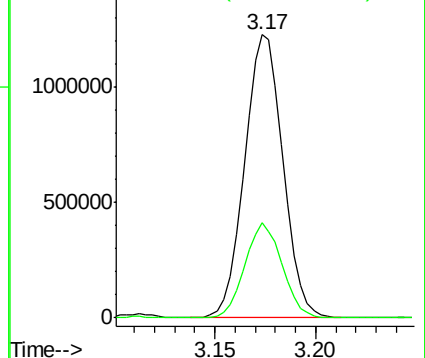
85 100

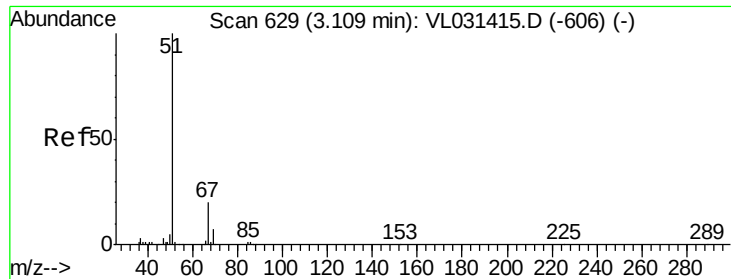
87 33.7 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 7.38 ppbv

RT: 3.11 min Scan# 629

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 51 Resp: 1622600

Ion Ratio Lower Upper

51 100

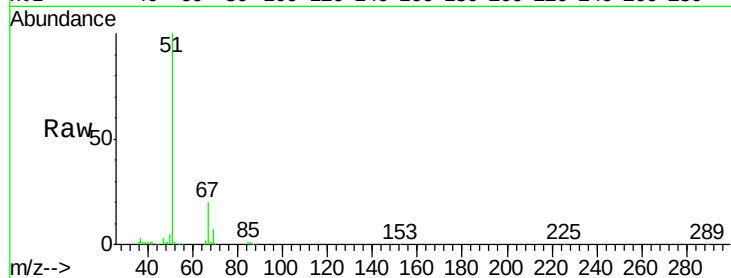
67 20.3 16.0 24.0

Manual Integrations

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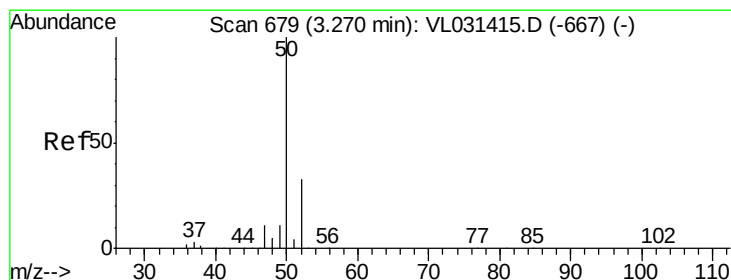
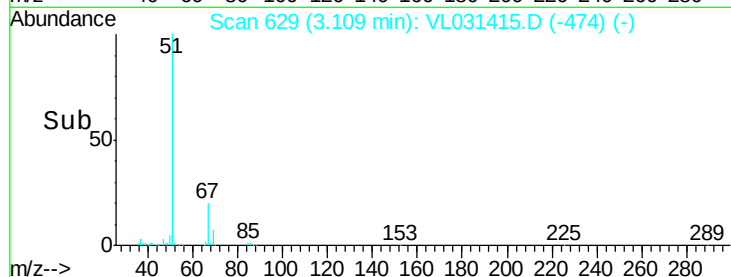
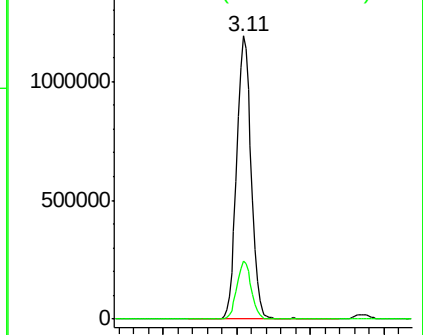
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 7.31 ppbv

RT: 3.27 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL031415.D

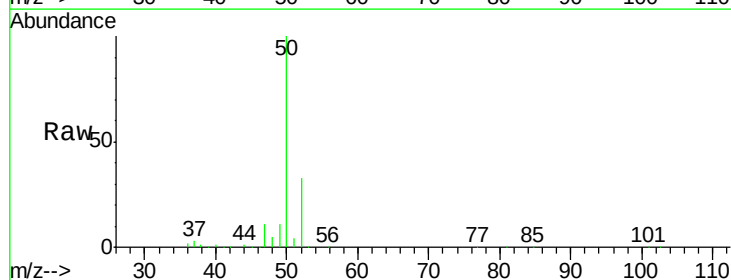
Acq: 22 Jan 2018 13:14

Tgt Ion: 50 Resp: 723916

Ion Ratio Lower Upper

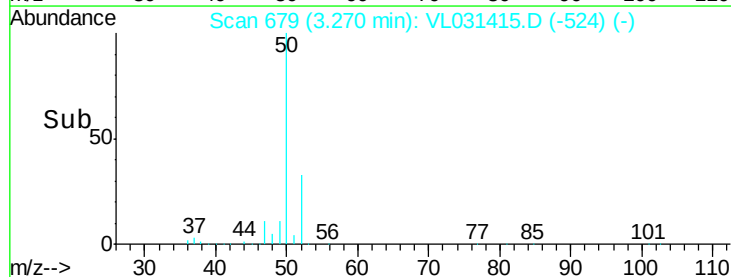
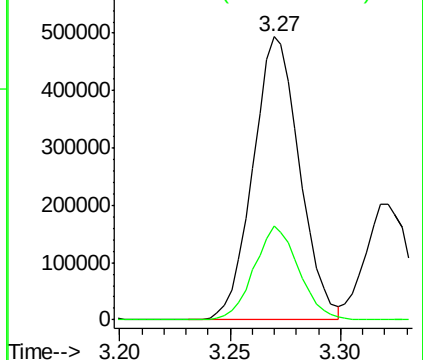
50 100

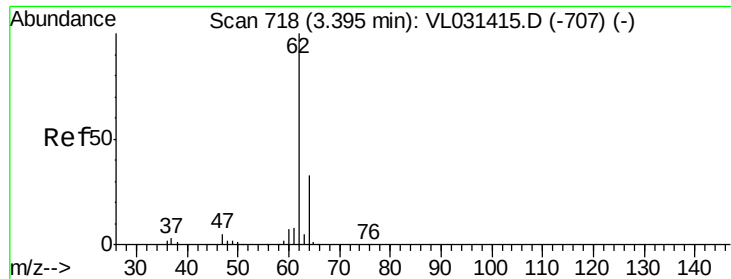
52 33.1 26.4 39.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 7.26 ppbv

RT: 3.40 min Scan# 718

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 743526

Ion Ratio Lower Upper

62 100

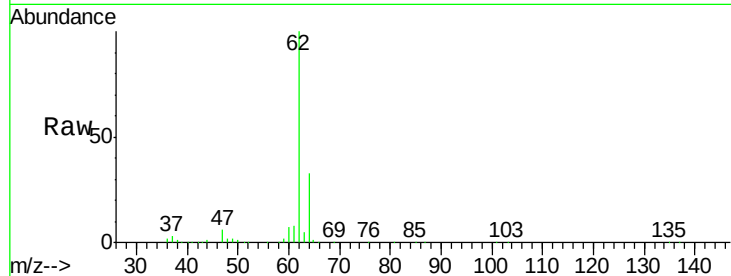
64 33.0 25.4 38.0

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.40

500000

400000

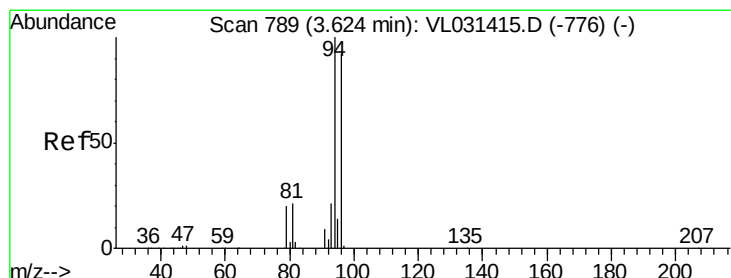
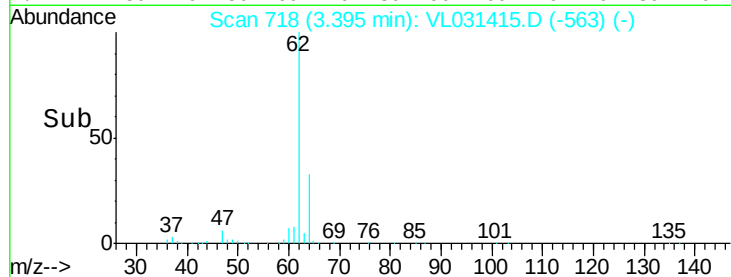
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 7.71 ppbv

RT: 3.62 min Scan# 789

Delta R.T. -0.00 min

Lab File: VL031415.D

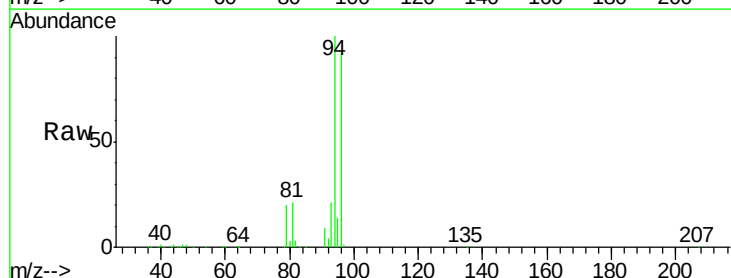
Acq: 22 Jan 2018 13:14

Tgt Ion: 94 Resp: 527757

Ion Ratio Lower Upper

94 100

96 91.6 75.1 112.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.62

400000

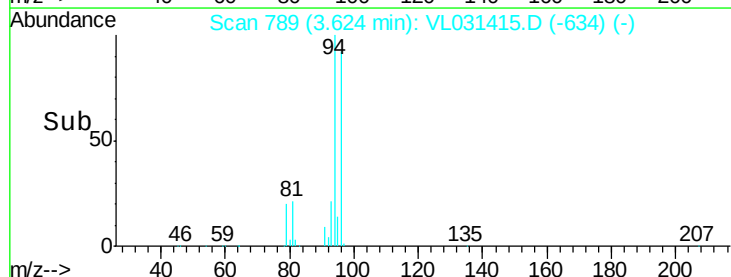
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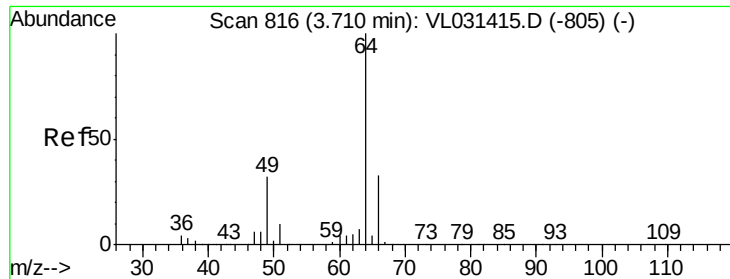
200000

100000

0

Time-->





#7

Chloroethane

Concen: 7.59 ppbv

RT: 3.71 min Scan# 816

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 304172

Ion Ratio Lower Upper

64 100

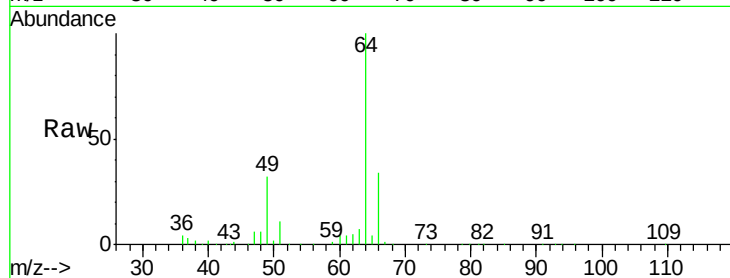
66 33.5 26.3 39.5

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

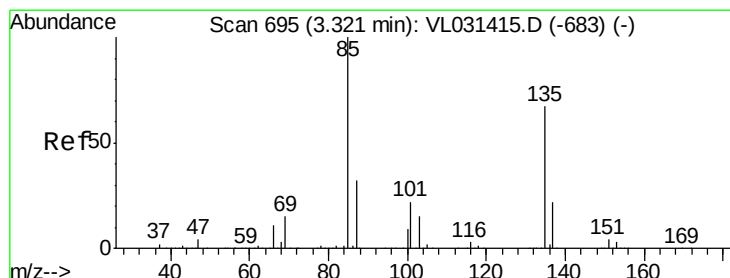
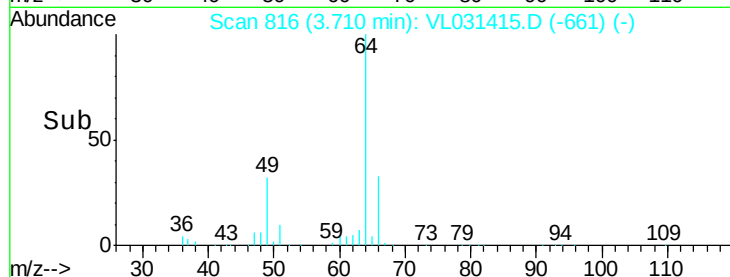
100000

50000

0

3.65 3.70 3.75

Time-->



#8

Dichlorotetrafluoroethane

Concen: 7.20 ppbv

RT: 3.32 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL031415.D

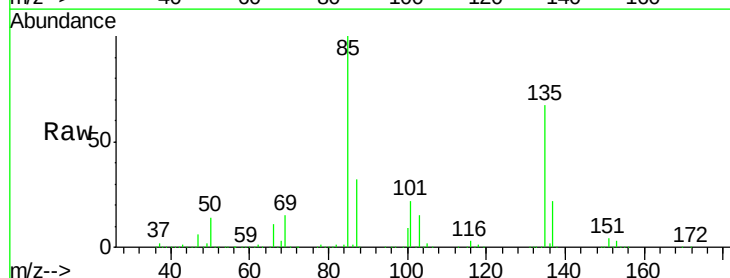
Acq: 22 Jan 2018 13:14

Tgt Ion: 85 Resp: 1898156

Ion Ratio Lower Upper

85 100

135 67.0 53.3 79.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

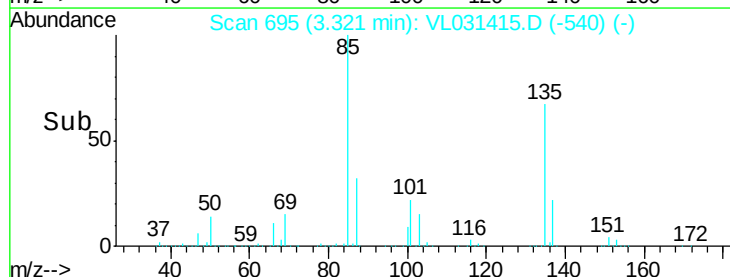
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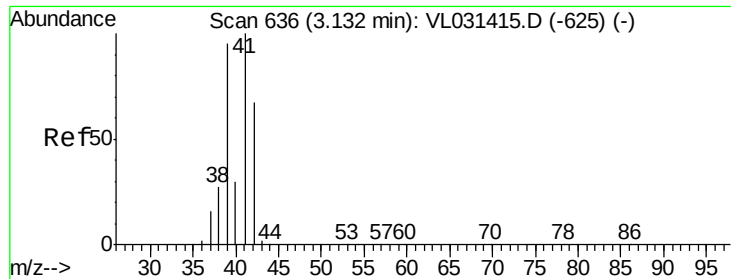
500000

0

3.25 3.30 3.35

Time-->





#9

Propene

Concen: 7.39 ppbv

RT: 3.13 min Scan# 636

Delta R.T. -0.01 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 599255

Ion Ratio Lower Upper

41 100

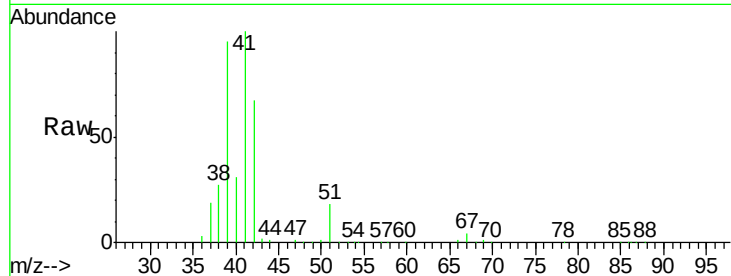
42 68.1 54.6 82.0

Manual Integrations

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.13

400000

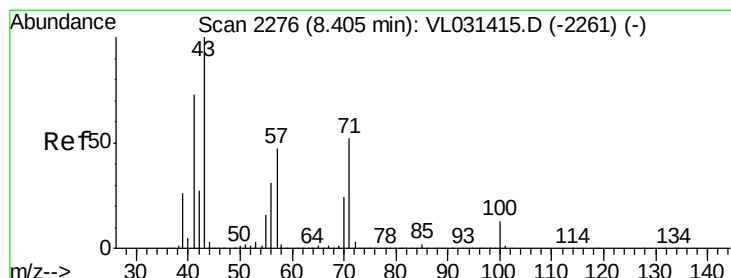
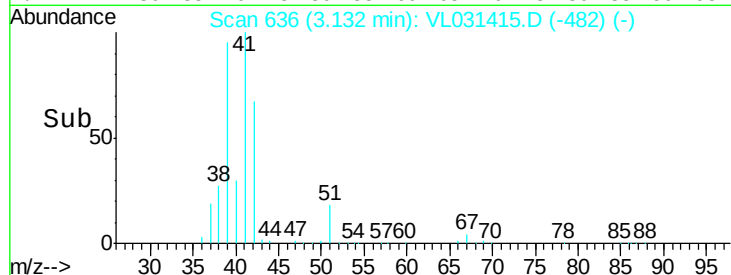
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 7.84 ppbv

RT: 8.40 min Scan# 2276

Delta R.T. -0.00 min

Lab File: VL031415.D

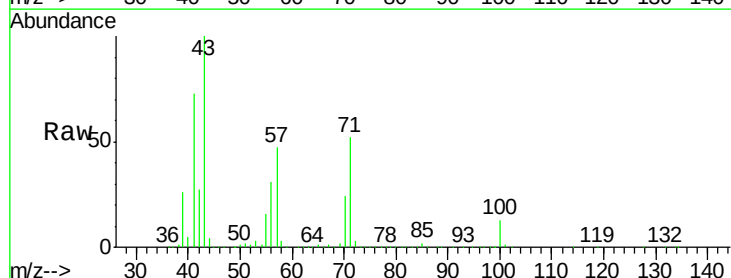
Acq: 22 Jan 2018 13:14

Tgt Ion: 43 Resp: 1909259

Ion Ratio Lower Upper

43 100

57 48.5 39.7 59.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.40

1000000

800000

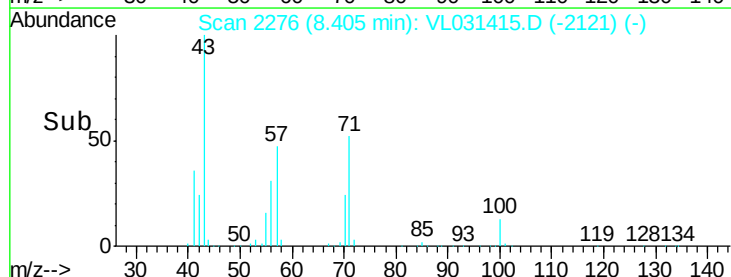
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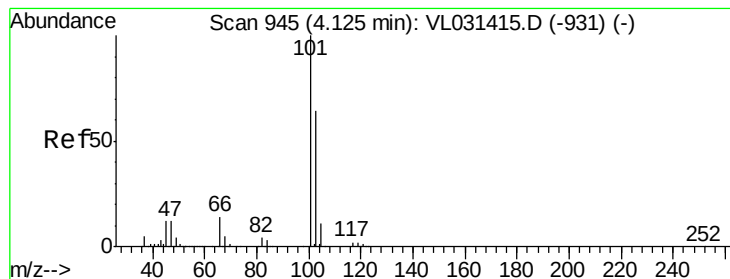
400000

200000

0

Time-->





#11

Trichlorofluoromethane

Concen: 7.50 ppbv

RT: 4.13 min Scan# 945

Delta R.T. 0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:101 Resp: 2299395

Ion Ratio Lower Upper

101 100

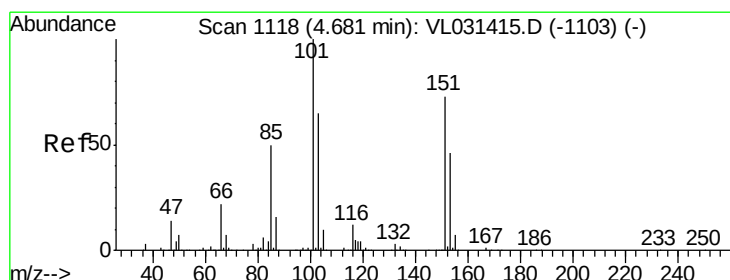
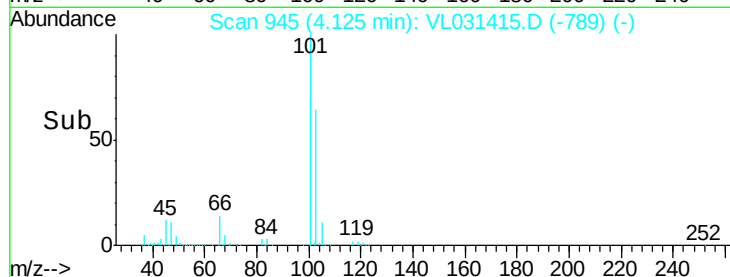
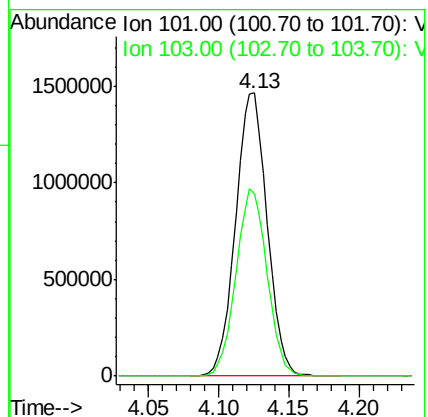
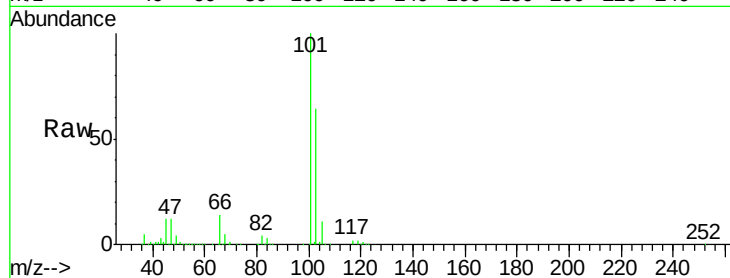
103 64.2 53.1 79.7

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 7.49 ppbv

RT: 4.68 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VL031415.D

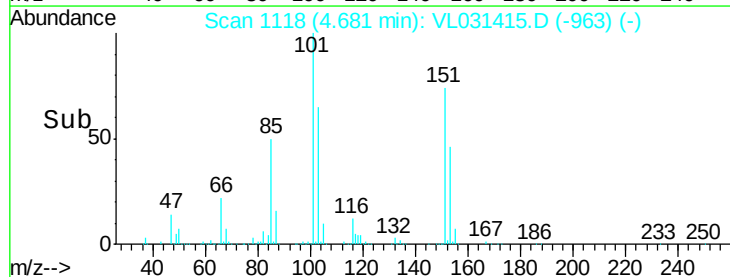
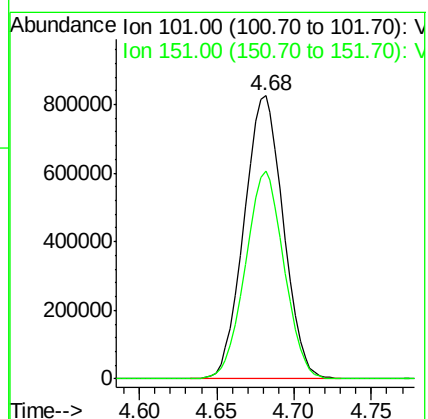
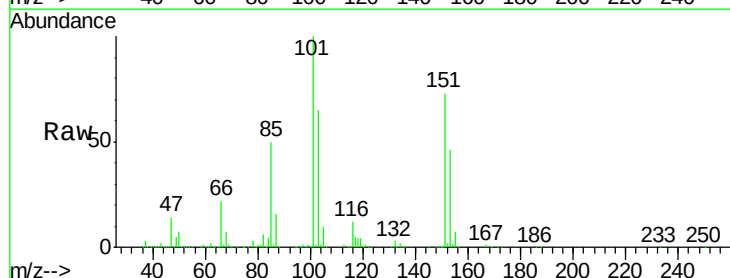
Acq: 22 Jan 2018 13:14

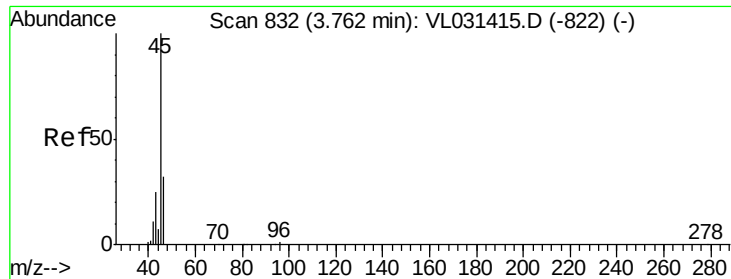
Tgt Ion:101 Resp: 1456238

Ion Ratio Lower Upper

101 100

151 72.6 58.1 87.1





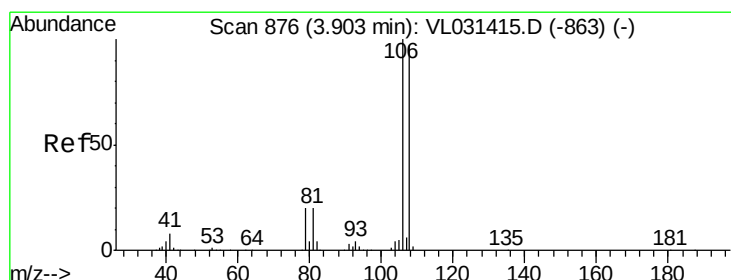
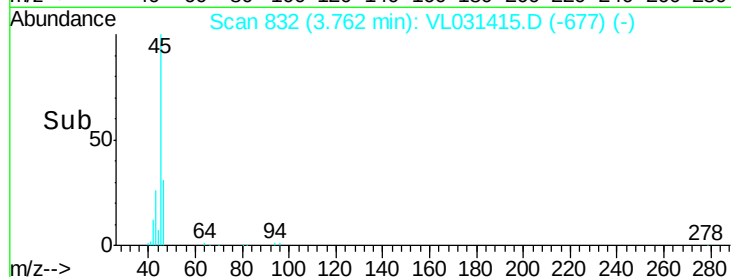
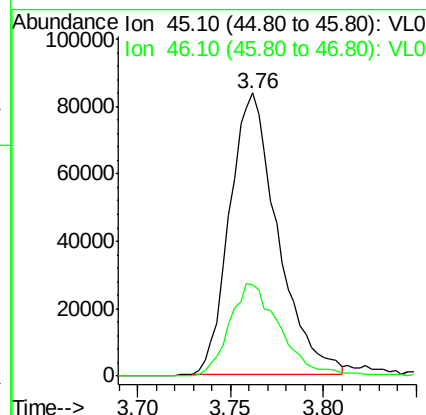
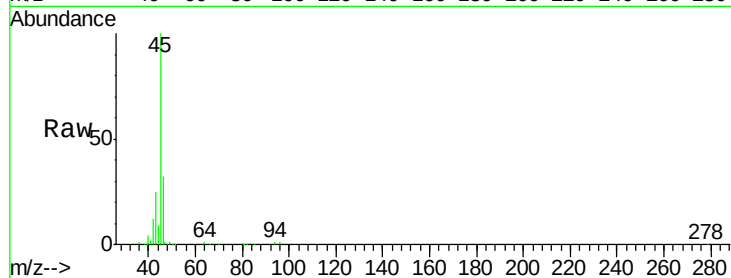
#13
Ethanol
Concen: 3.72 ppbv
RT: 3.76 min Scan# 832
Delta R.T. -0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	45	46	Ratio	Lower	Upper
151202	100	35.9		14.9	59.5

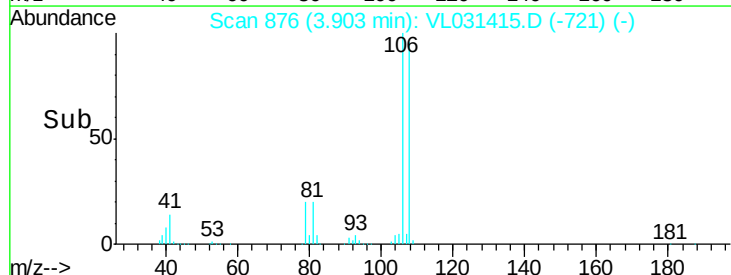
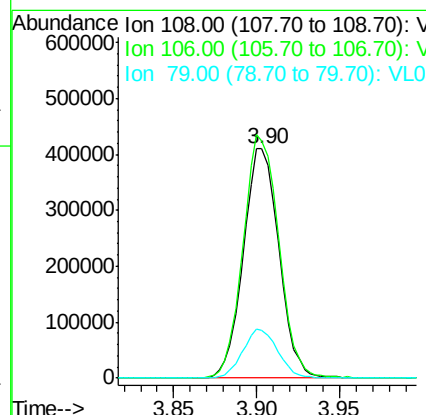
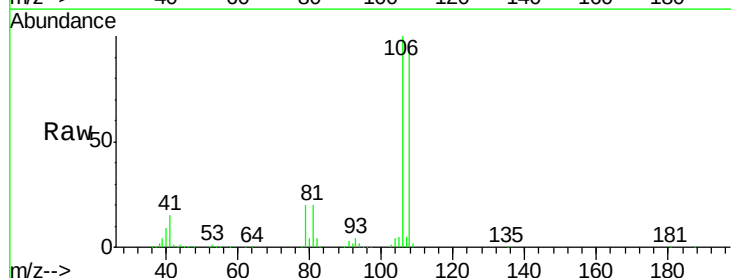
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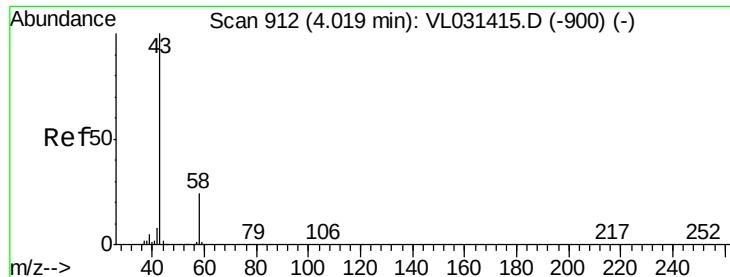
MMDadoda
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#14
Bromoethene
Concen: 7.66 ppbv
RT: 3.90 min Scan# 876
Delta R.T. -0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Tgt Ion	108	106	79	Ratio	Lower	Upper
613673	100	106.9	21.3		85.3	127.9
					16.8	25.2





#15

Acetone

Concen: 6.13 ppbv

RT: 4.02 min Scan# 912

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1516369

Ion Ratio Lower Upper

43 100

58 23.8

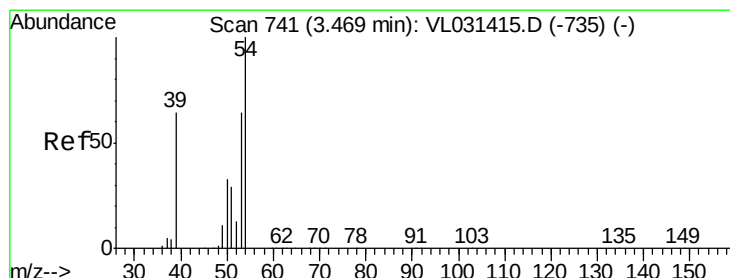
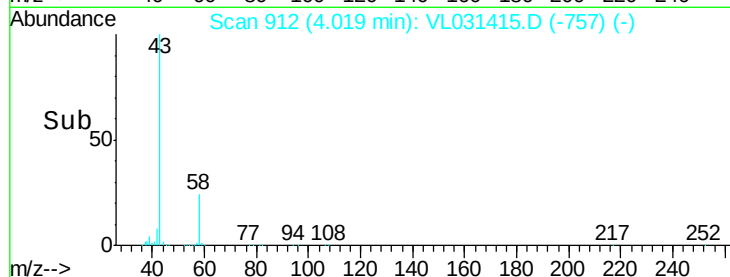
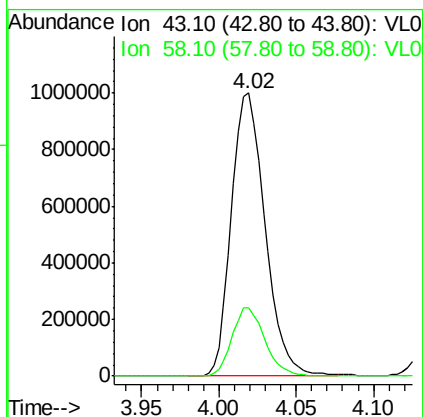
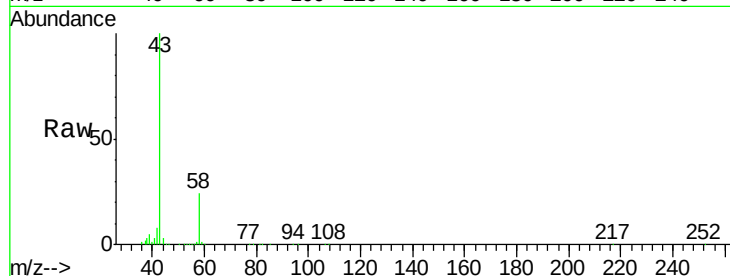
19.4

29.2

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#16

1,3-Butadiene

Concen: 8.01 ppbv

RT: 3.47 min Scan# 741

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Tgt Ion: 39 Resp: 740311

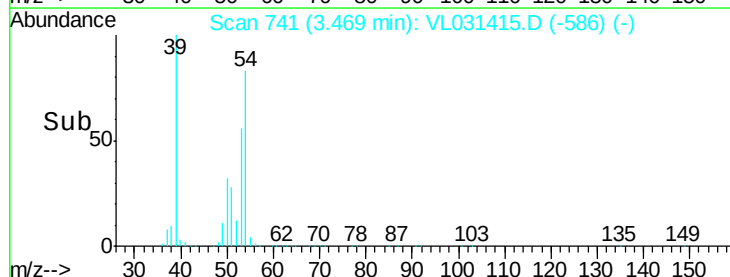
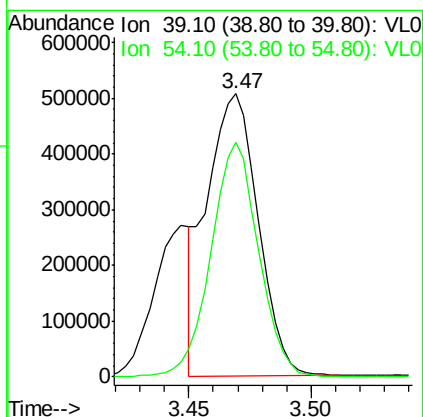
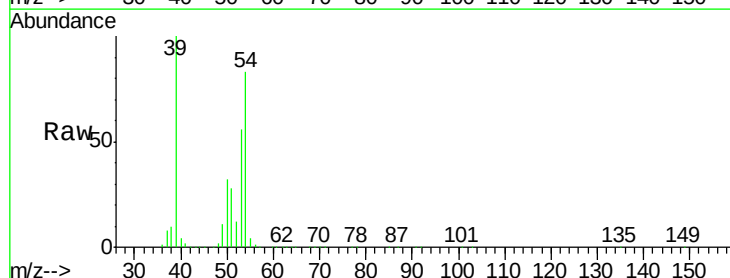
Ion Ratio Lower Upper

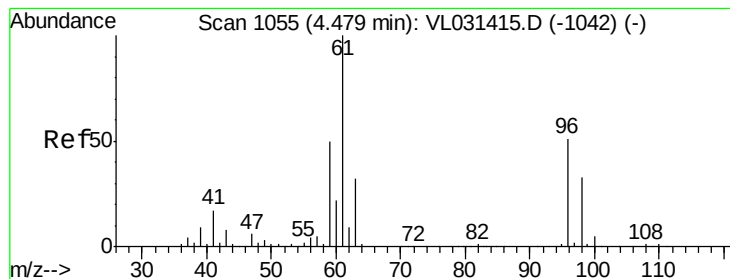
39 100

54 77.9

67.0

100.6





#17

tert-Butyl alcohol

Concen: 7.37 ppbv

RT: 4.48 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 59 Resp: 834832

Ion Ratio Lower Upper

59 100

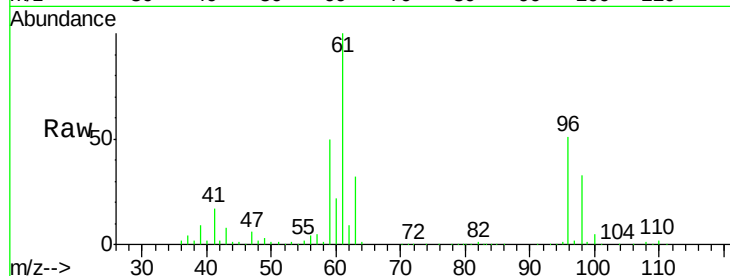
57 10.7 8.6 13.0

Manual Integrations

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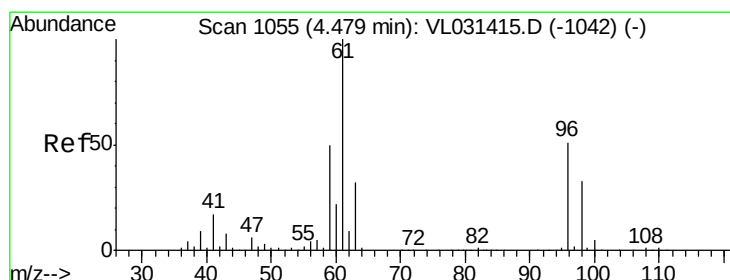
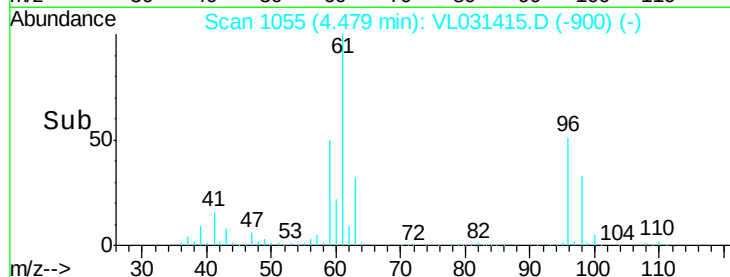
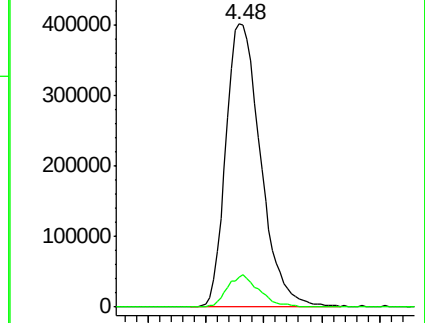
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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 7.64 ppbv

RT: 4.48 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

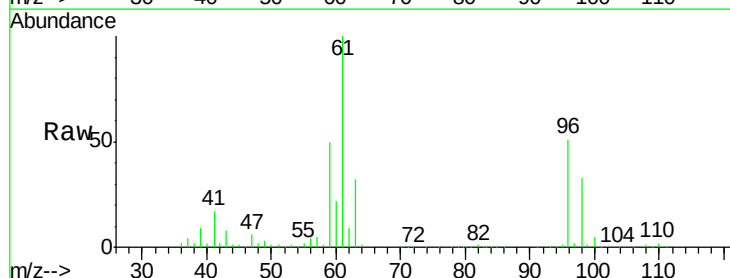
Tgt Ion: 96 Resp: 651801

Ion Ratio Lower Upper

96 100

61 197.6 161.6 242.4

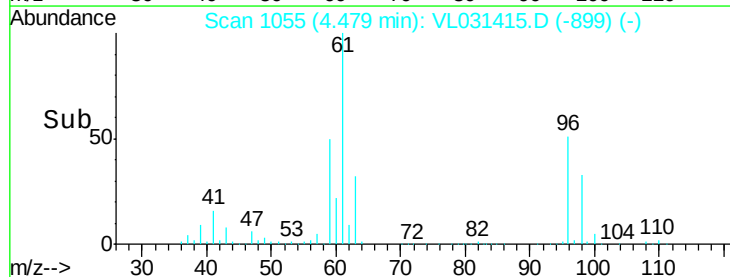
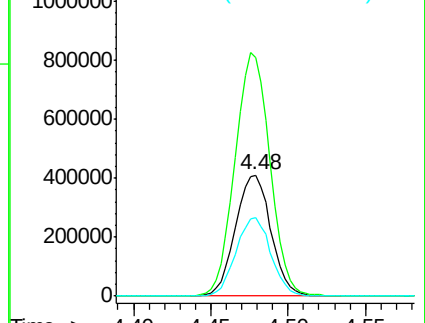
98 64.9 49.6 74.4

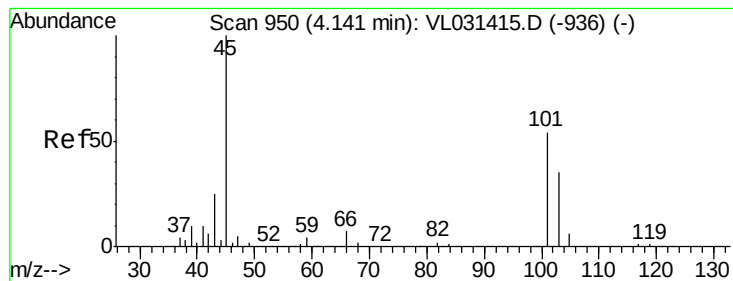


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 6.04 ppbv

RT: 4.14 min Scan# 950

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 1022652

Ion Ratio Lower Upper

45 100

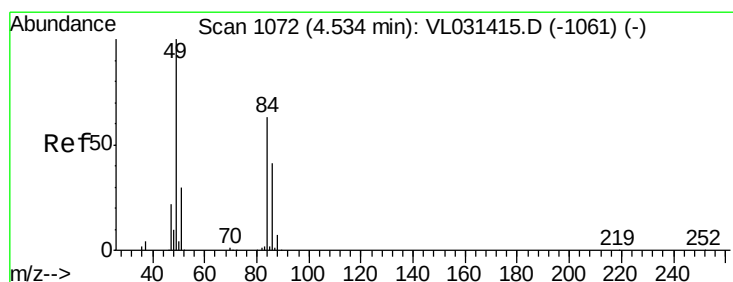
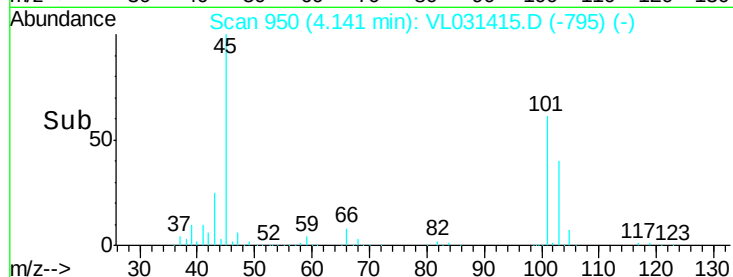
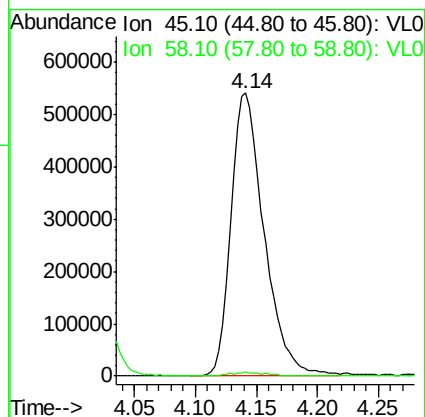
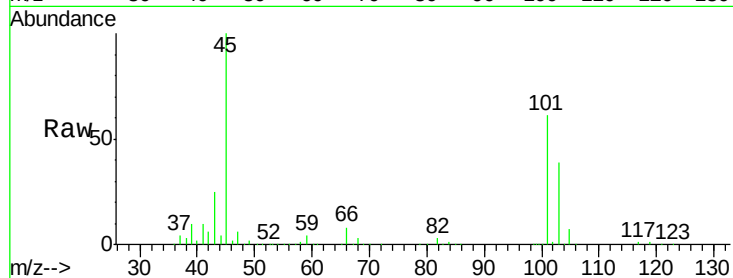
58 1.6 1.0 1.4#

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#20

Methylene Chloride

Concen: 6.60 ppbv

RT: 4.53 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Tgt Ion: 84 Resp: 588897

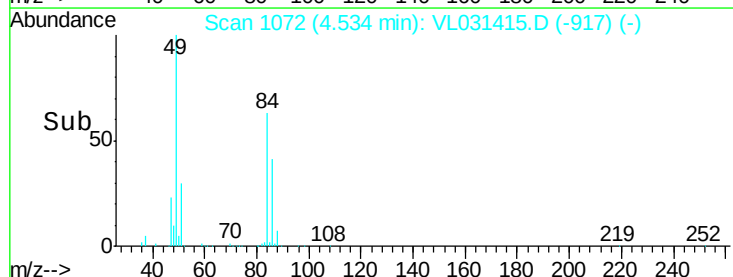
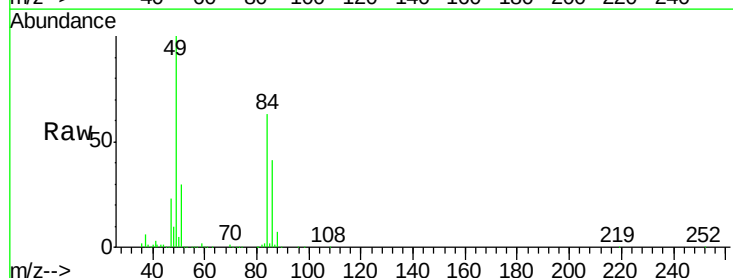
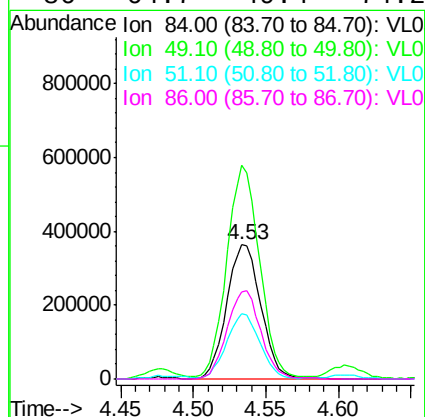
Ion Ratio Lower Upper

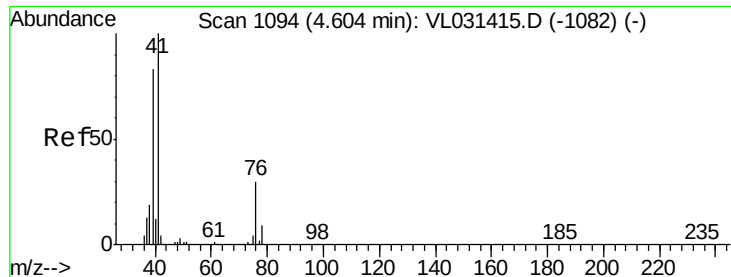
84 100

49 158.2 123.4 185.0

51 47.4 35.6 53.4

86 64.7 49.4 74.2





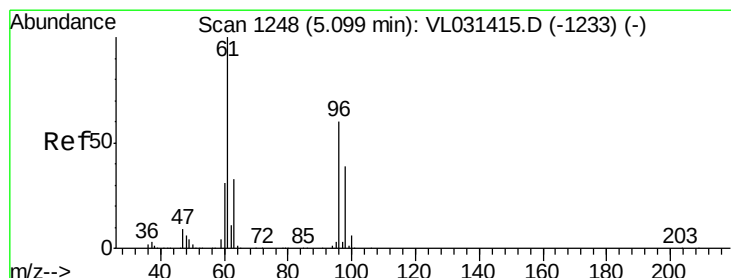
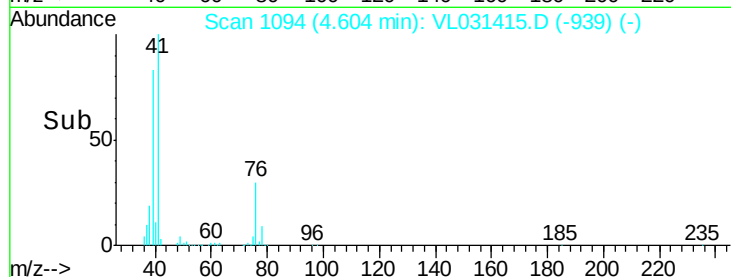
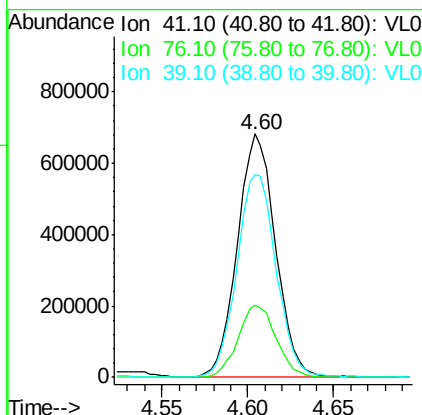
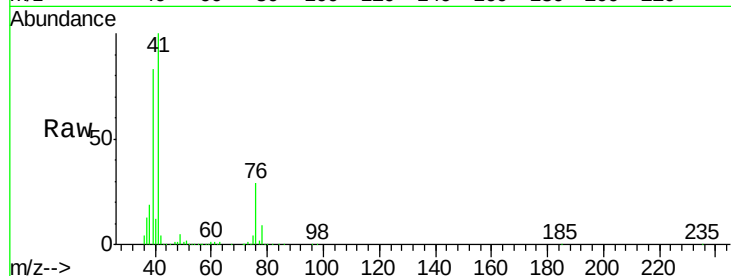
#21
 Allvl Chloride
 Concen: 7.76 ppbv
 RT: 4.60 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VL031415.D
 Acq: 22 Jan 2018 13:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.1	24.2	36.2
39	86.6	69.8	104.8

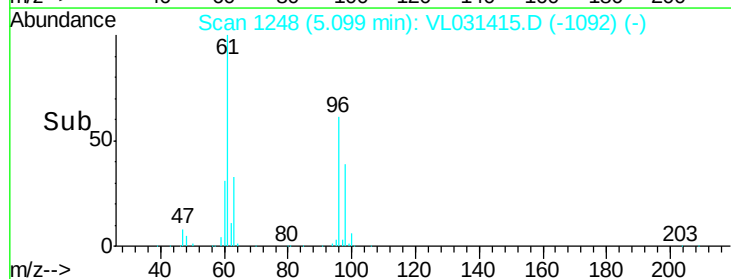
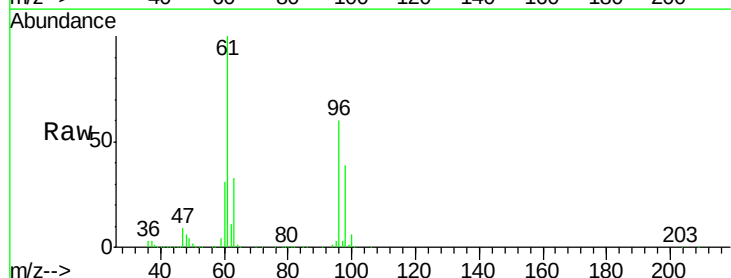
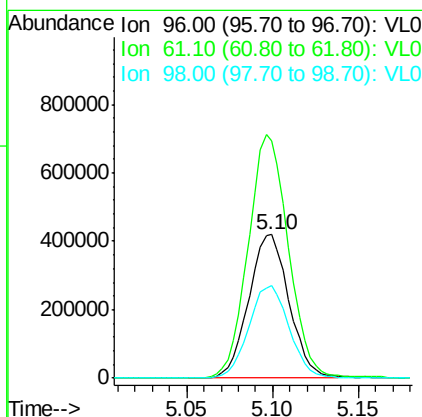
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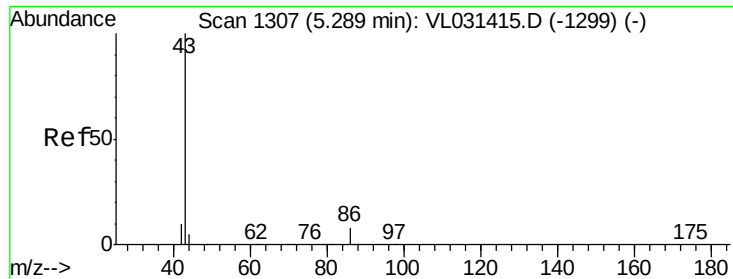
MMDadoda
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#22
 trans-1,2-Dichloroethene
 Concen: 7.50 ppbv
 RT: 5.10 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VL031415.D
 Acq: 22 Jan 2018 13:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.4	135.0	202.4
98	64.5	52.2	78.2





#23

Vinyl Acetate

Concen: 7.54 ppbv

RT: 5.29 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2113676

Ion Ratio Lower Upper

43 100

86 7.0 5.6 8.4

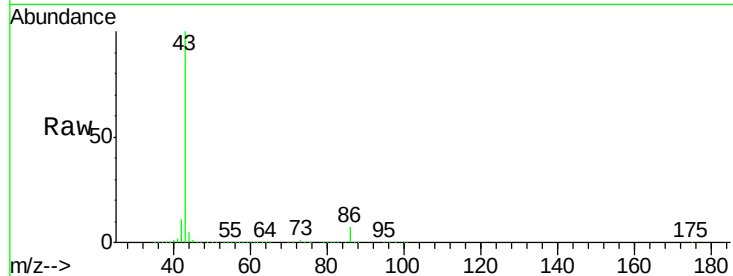
42 11.0 8.6 12.8

44 5.0 4.2 6.4

Manual Integrations
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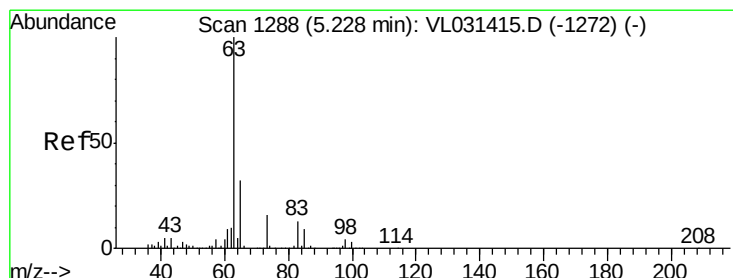
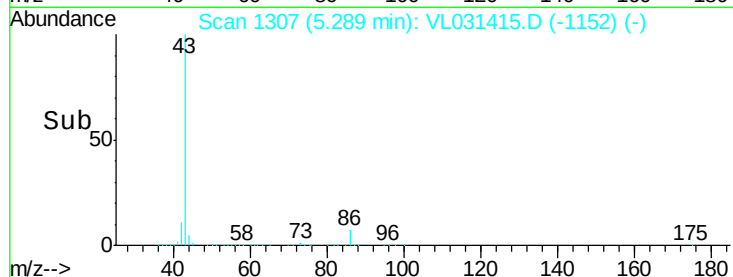
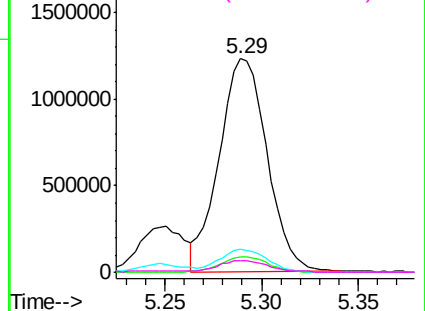


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 7.35 ppbv

RT: 5.23 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

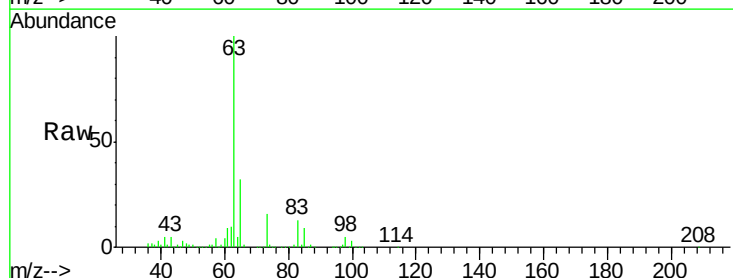
Tgt Ion: 63 Resp: 1741078

Ion Ratio Lower Upper

63 100

98 4.5 2.4 7.1

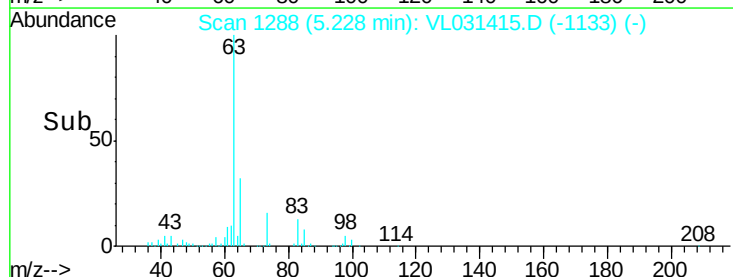
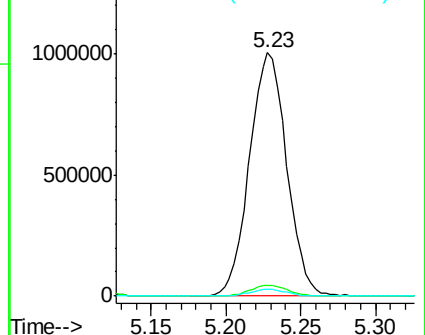
100 2.6 1.3 3.9

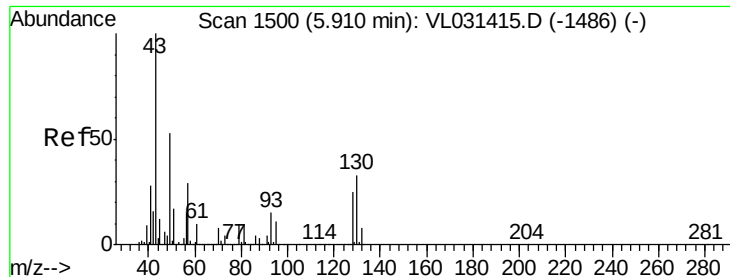


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





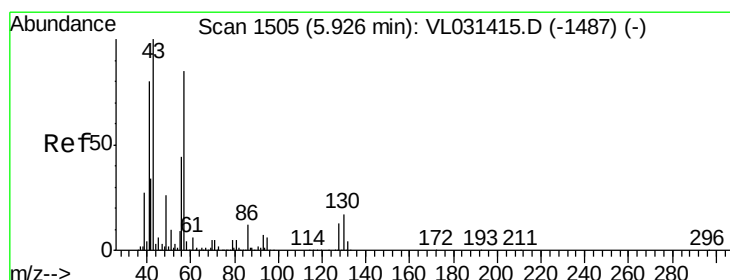
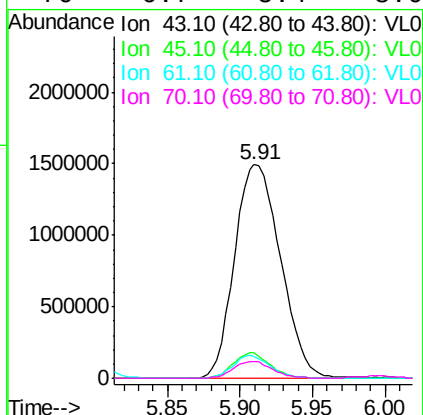
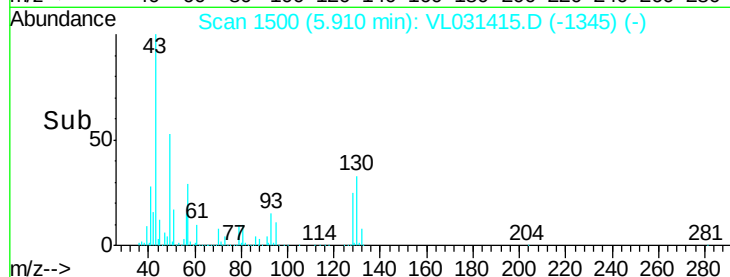
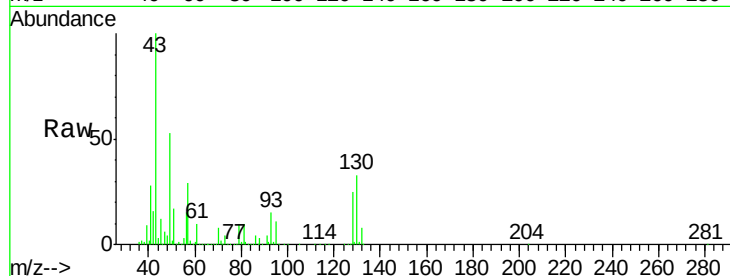
#25
Ethyl Acetate
Concen: 7.76 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	43	Resp	3276139
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	8.8	7.0	10.6
70	6.7	5.4	8.0

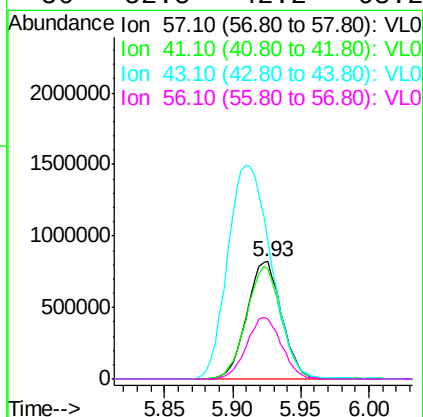
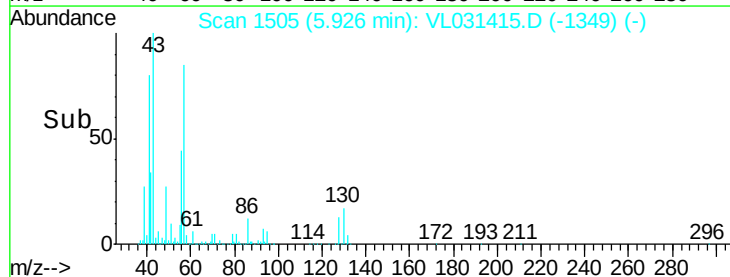
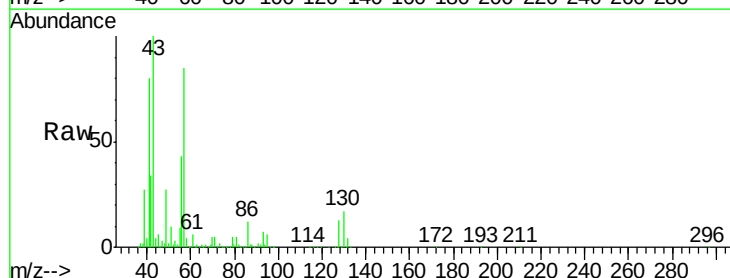
Manual Integrations
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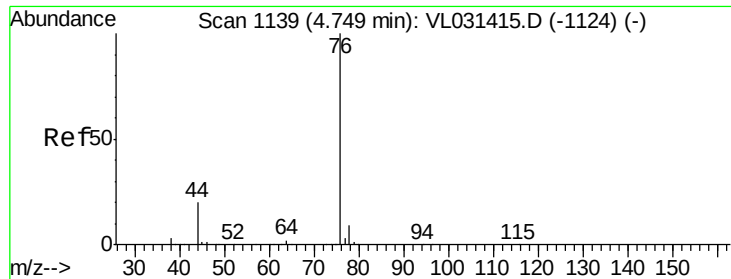
MMDadoda
1/24/2018 5:10:09 PM



#26
Hexane
Concen: 8.26 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Tgt Ion	57	Resp	1460188
Ion	Ratio	Lower	Upper
57	100		
41	95.8	77.1	115.7
43	226.0	180.7	271.1
56	52.5	42.2	63.2





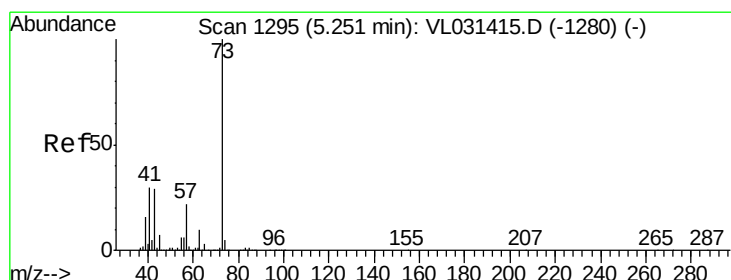
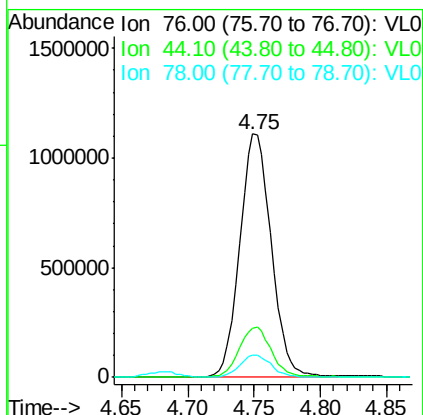
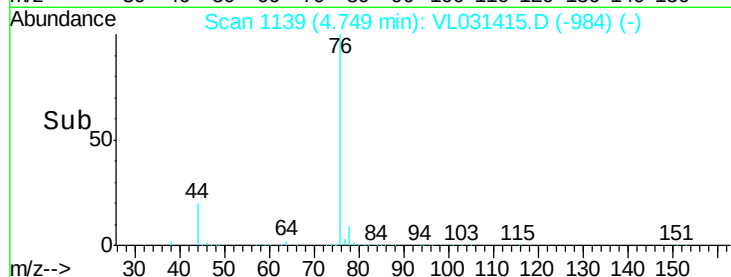
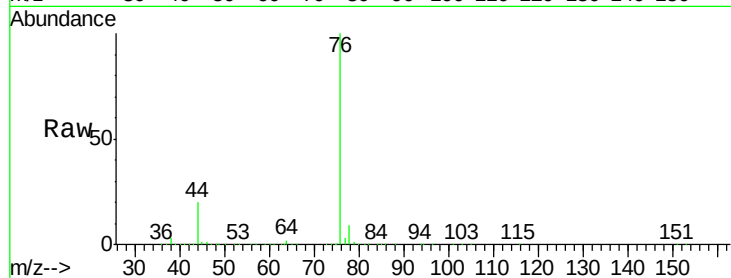
#27
Carbon Disulfide
Concen: 7.78 ppbv
RT: 4.75 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
76	100		
44	20.7	16.7	25.1
78	9.2	7.5	11.3

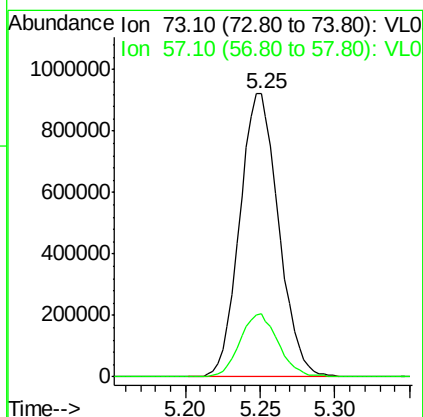
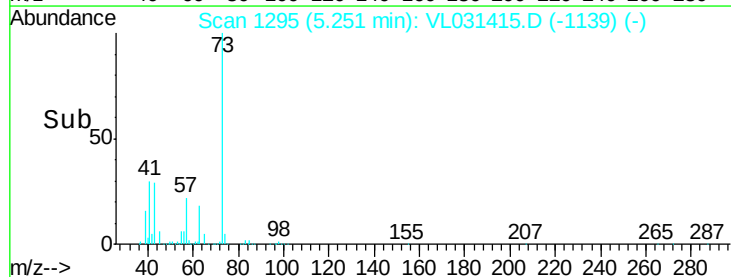
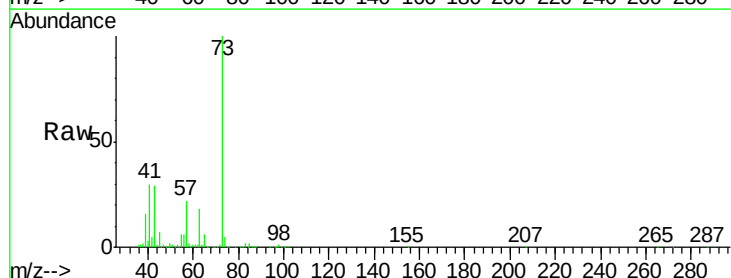
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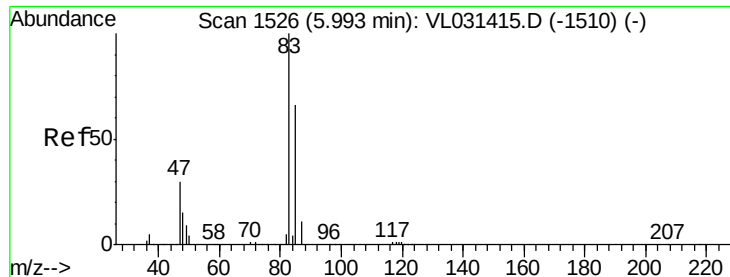
MMDadoda
1/24/2018 5:10:09 PM



#28
Methyl tert-Butyl Ether
Concen: 7.75 ppbv
RT: 5.25 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.5	26.3





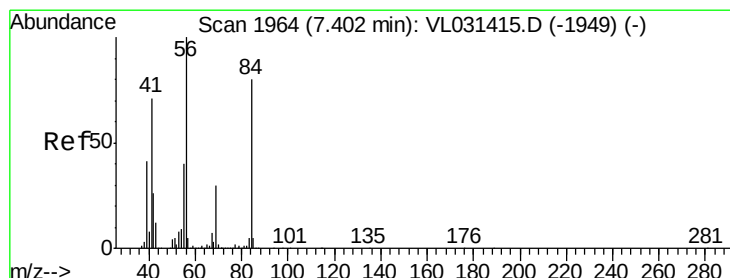
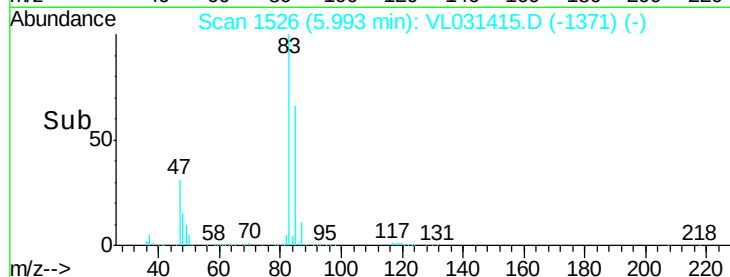
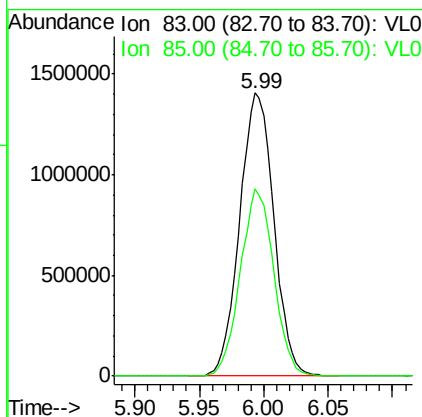
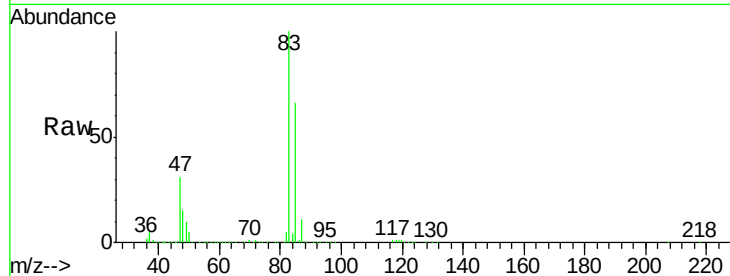
#29
Chloroform
Concen: 8.55 ppbv
RT: 5.99 min Scan# 1526
Delta R.T. -0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2597742
Ion Ratio Lower Upper
83 100
85 66.0 51.3 76.9

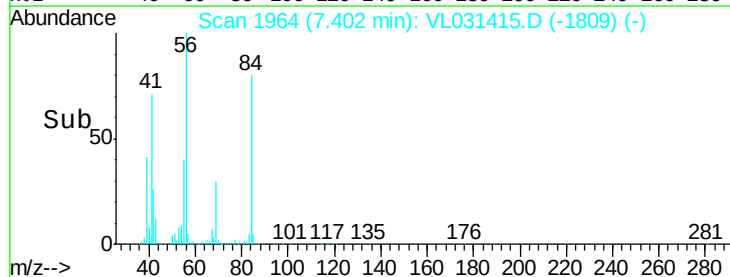
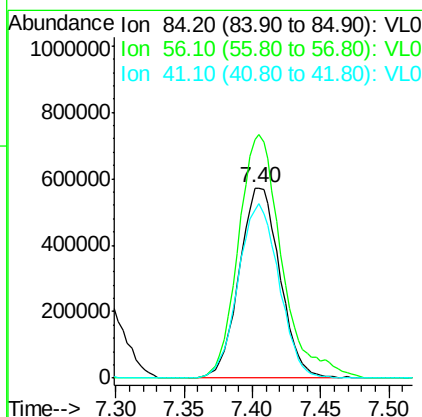
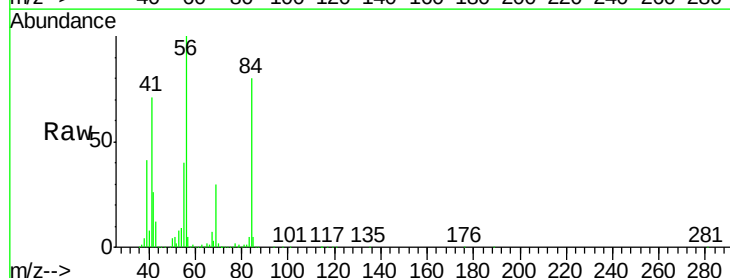
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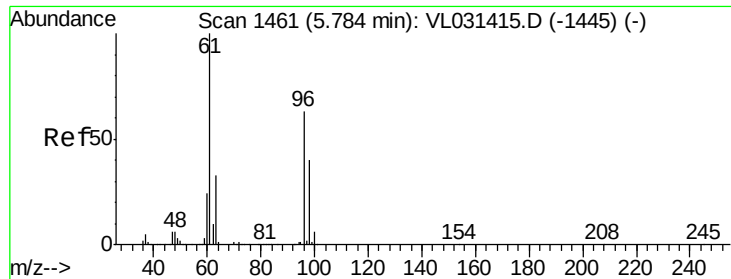
MMDadoda
1/24/2018 5:10:09 PM



#30
Cyclohexane
Concen: 8.40 ppbv
RT: 7.40 min Scan# 1964
Delta R.T. -0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Tgt Ion: 84 Resp: 1187381
Ion Ratio Lower Upper
84 100
56 136.4 109.0 163.4
41 91.7 73.3 109.9





#31

cis-1,2-Dichloroethene

Concen: 8.40 ppbv

RT: 5.78 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 61 Resp: 1444745

Ion Ratio Lower Upper

61 100

96 63.2 51.3 76.9

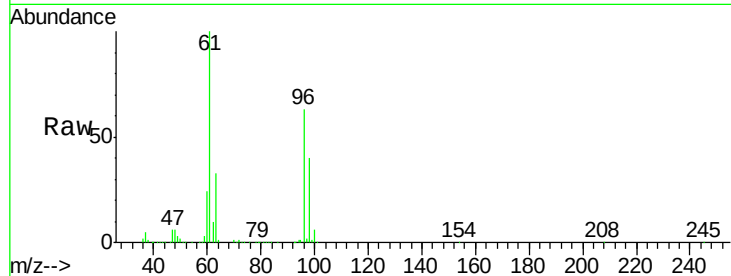
98 40.2 33.6 50.4

Manual Integrations

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MMDadoda

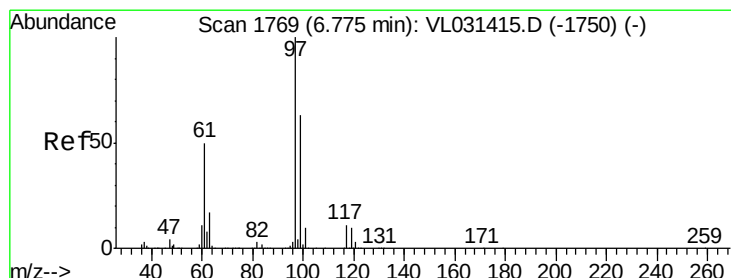
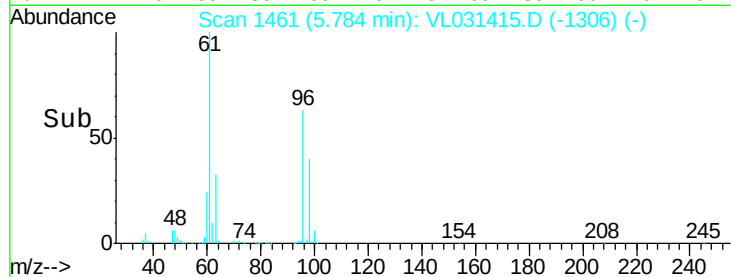
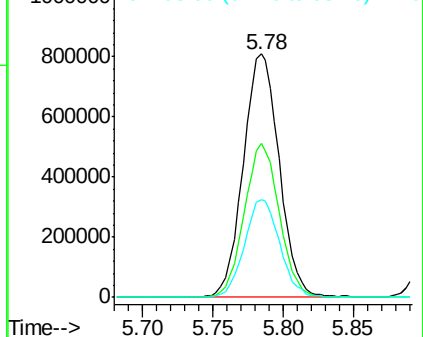
1/24/2018 5:10:09 PM



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.11 ppbv

RT: 6.77 min Scan# 1769

Delta R.T. 0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

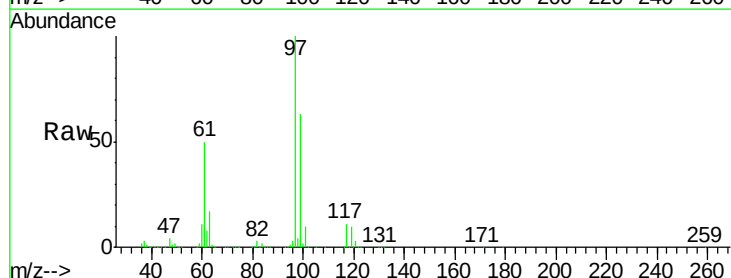
Tgt Ion: 97 Resp: 2579583

Ion Ratio Lower Upper

97 100

99 64.4 51.9 77.9

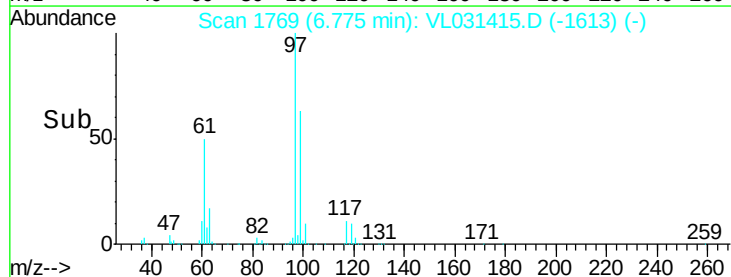
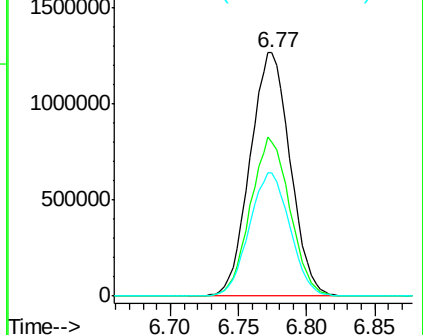
61 51.3 40.6 61.0

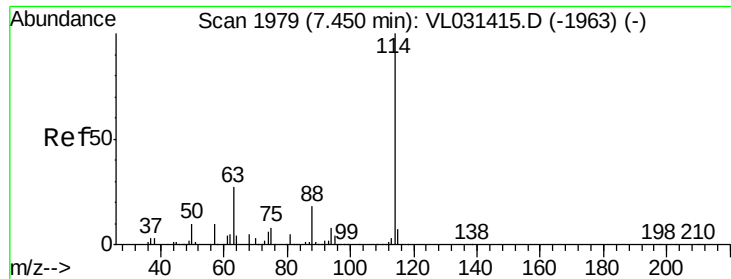


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





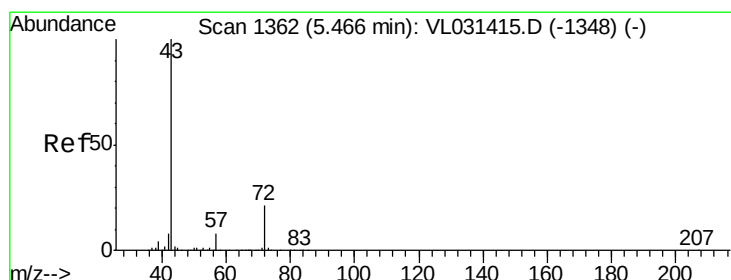
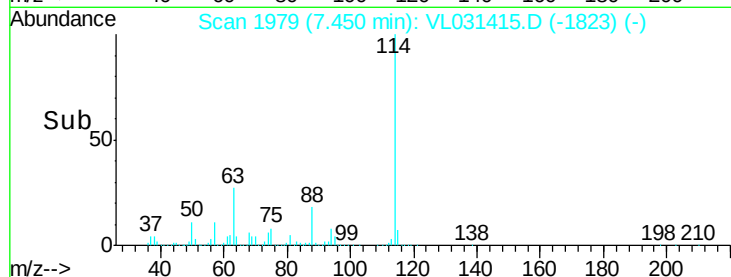
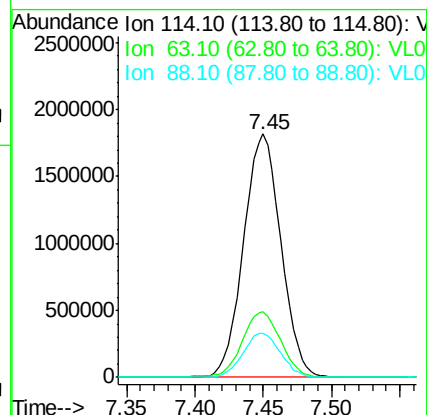
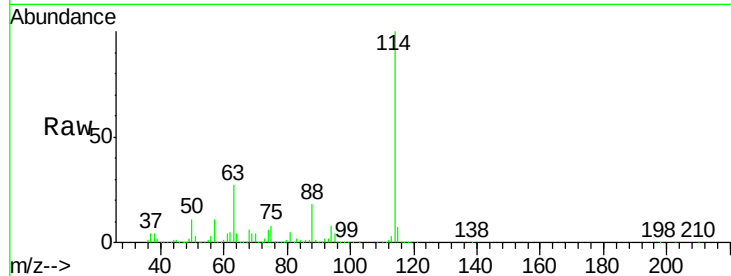
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VL031415.D
 Acq: 22 Jan 2018 13:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.9	22.5	33.7
88	18.3	14.6	22.0

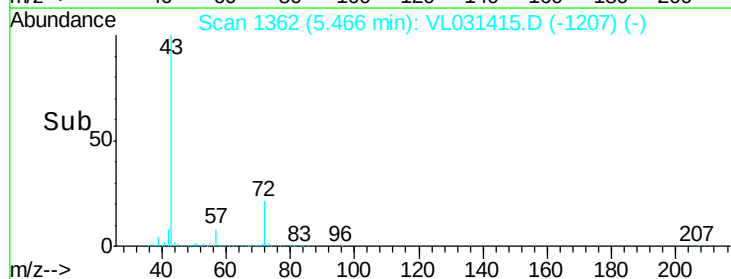
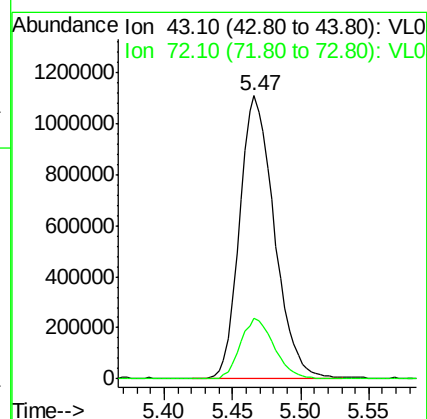
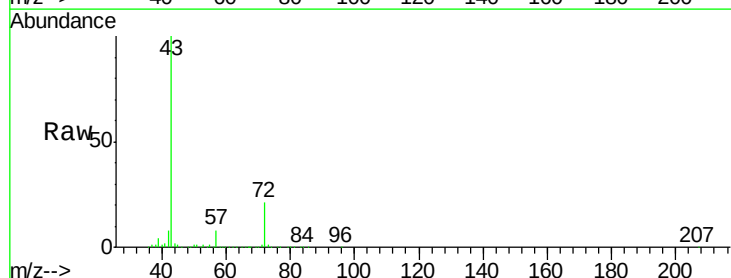
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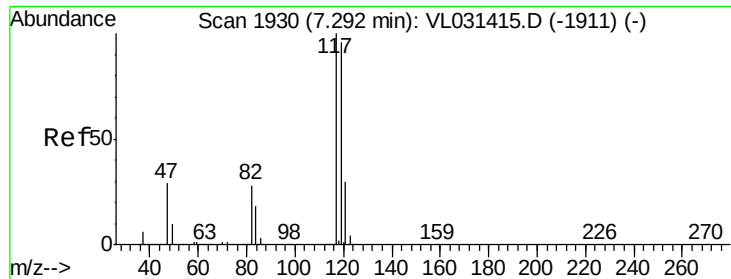
MMDadoda
 1/24/2018 5:10:09 PM



#34
 2-Butanone
 Concen: 6.80 ppbv
 RT: 5.47 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VL031415.D
 Acq: 22 Jan 2018 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.1	16.8	25.2





#35

Carbon Tetrachloride

Concen: 8.30 ppbv

RT: 7.29 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 2741677

Ion Ratio Lower Upper

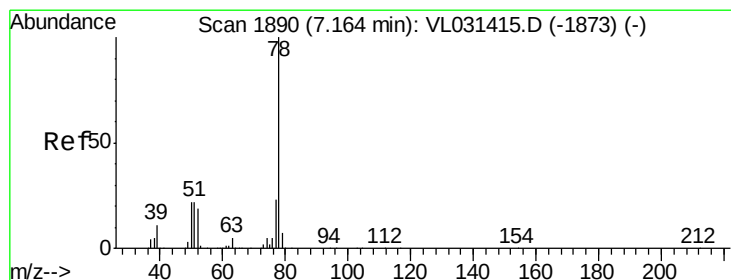
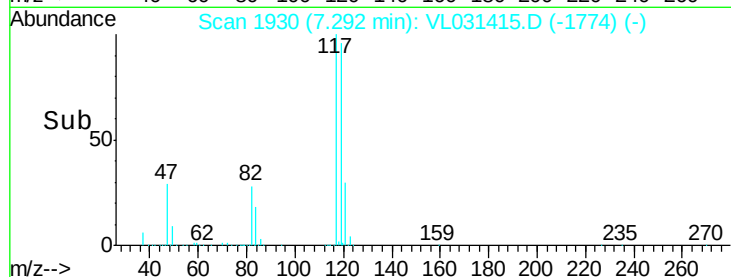
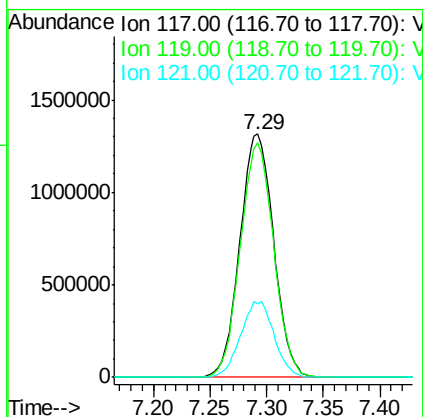
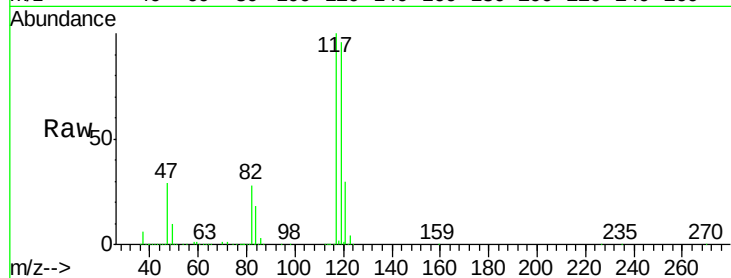
117 100

119 96.5 74.2 111.4

121 30.2 24.2 36.4

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#36

Benzene

Concen: 8.27 ppbv

RT: 7.16 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

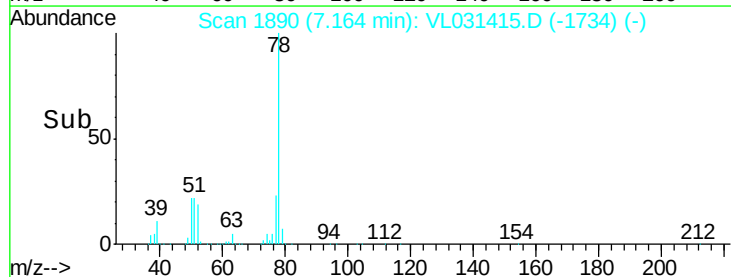
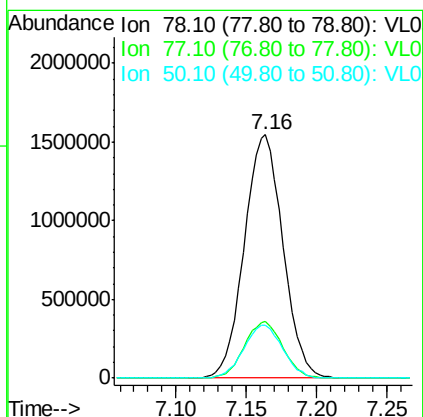
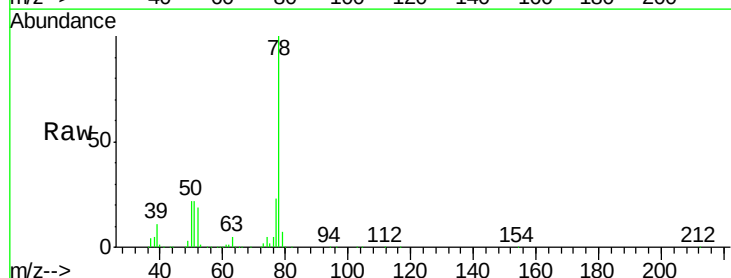
Tgt Ion: 78 Resp: 2961598

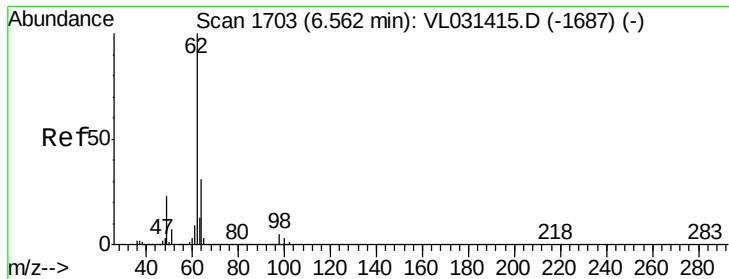
Ion Ratio Lower Upper

78 100

77 23.3 18.7 28.1

50 21.8 18.4 27.6





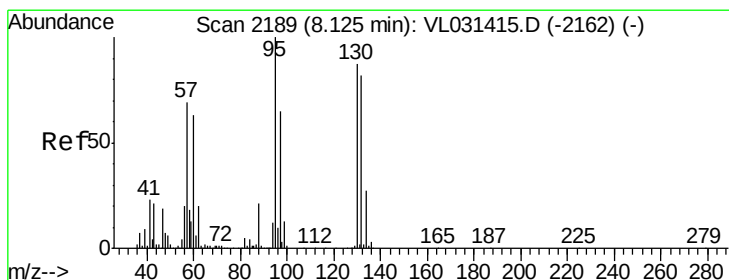
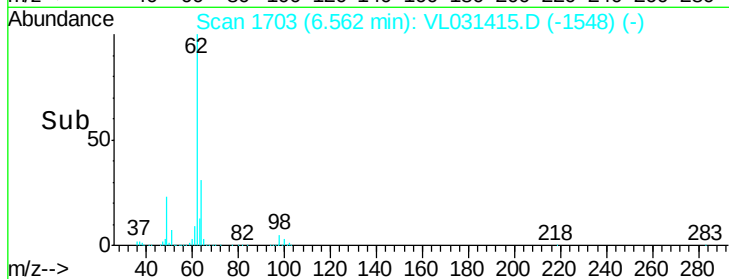
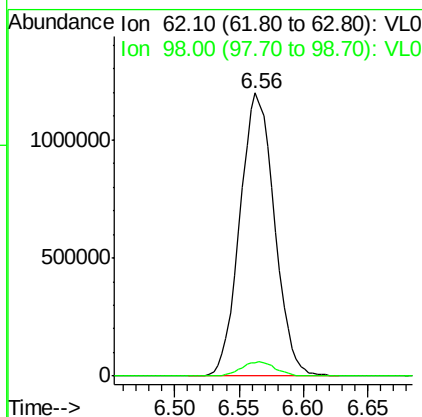
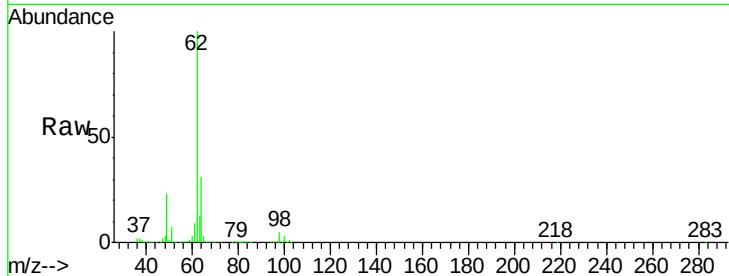
#37
 1,2-Dichloroethane
 Concen: 8.50 ppbv
 RT: 6.56 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: VL031415.D
 Acq: 22 Jan 2018 13:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.0	4.1	6.1

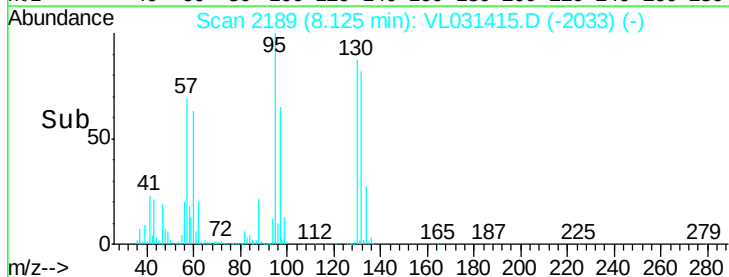
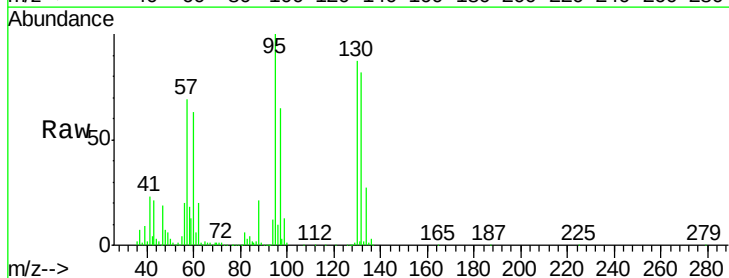
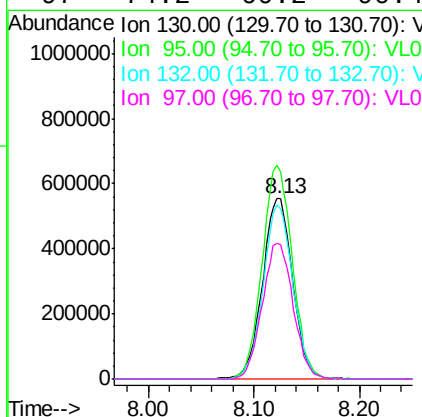
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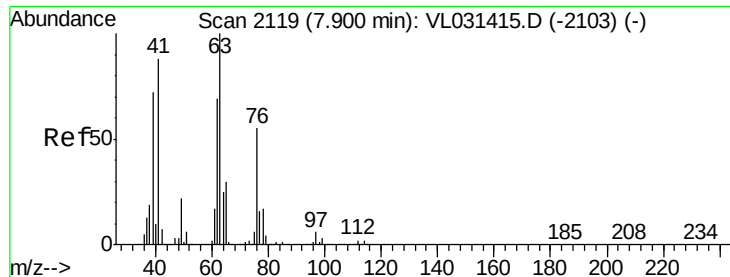
MMDadoda
 1/24/2018 5:10:09 PM



#38
 Trichloroethene
 Concen: 7.45 ppbv
 RT: 8.13 min Scan# 2189
 Delta R.T. 0.00 min
 Lab File: VL031415.D
 Acq: 22 Jan 2018 13:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.8	92.9	139.3
132	94.2	74.9	112.3
97	74.2	60.2	90.4





#39

1,2-Dichloropropane

Concen: 7.53 ppbv

RT: 7.90 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 63 Resp: 997074

Ion Ratio Lower Upper

63 100

41 87.7 67.6 101.4

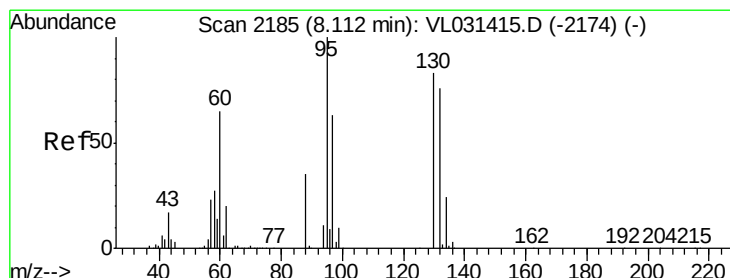
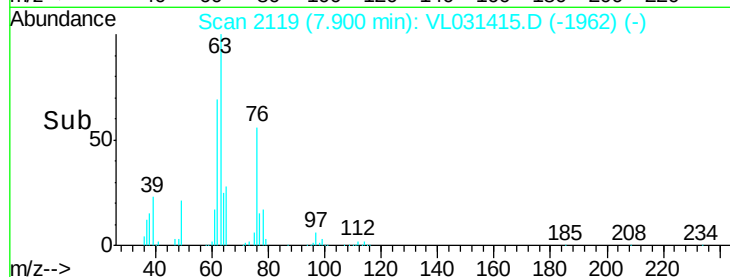
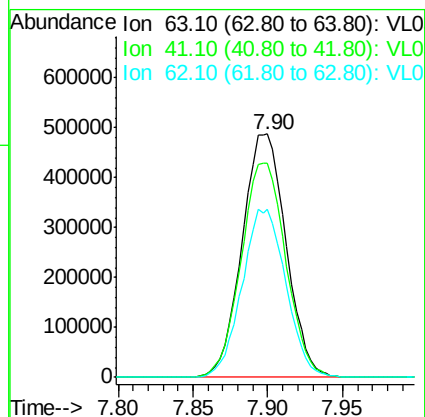
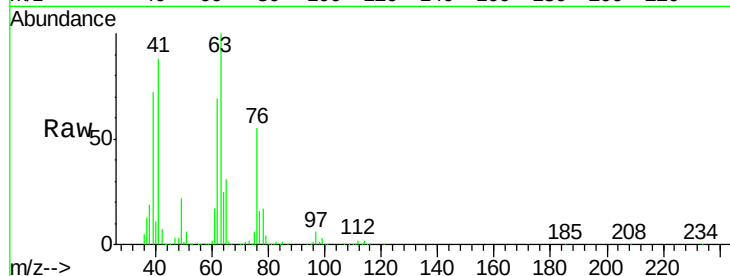
62 69.0 51.8 77.6

Manual Integrations

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#40

1,4-Dioxane

Concen: 6.03 ppbv

RT: 8.11 min Scan# 2185

Delta R.T. 0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Tgt Ion: 88 Resp: 400939

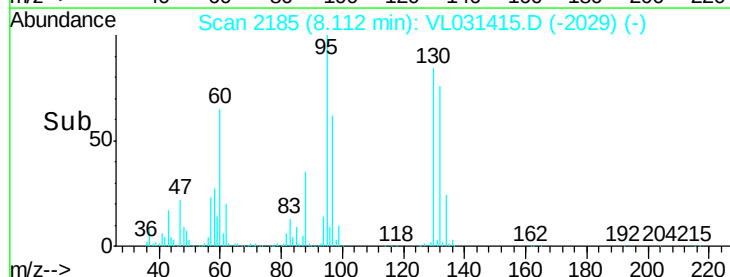
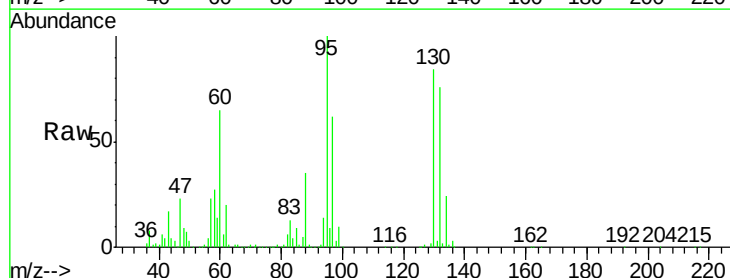
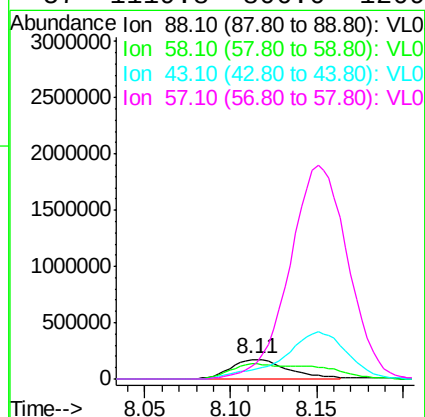
Ion Ratio Lower Upper

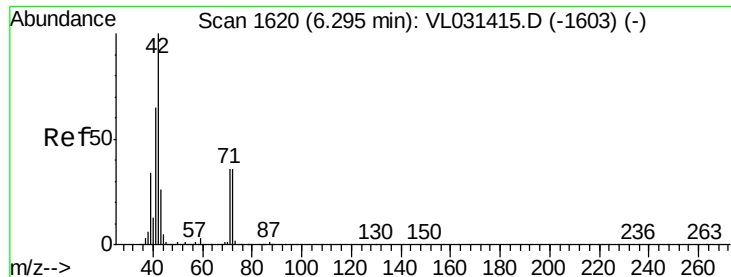
88 100

58 130.3 98.2 147.2

43 271.0 197.3 295.9

57 1119.8 806.0 1209.0





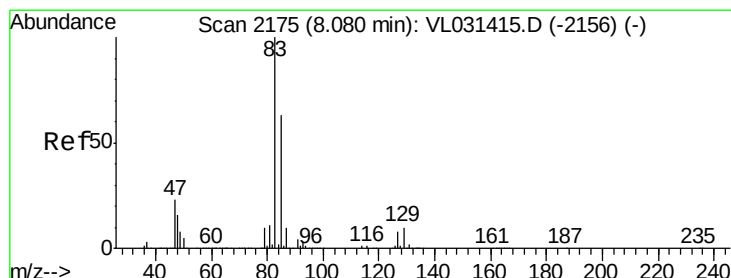
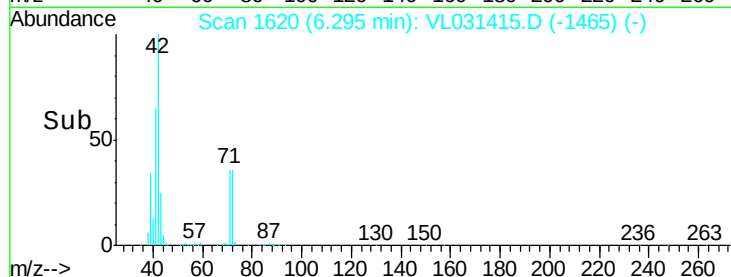
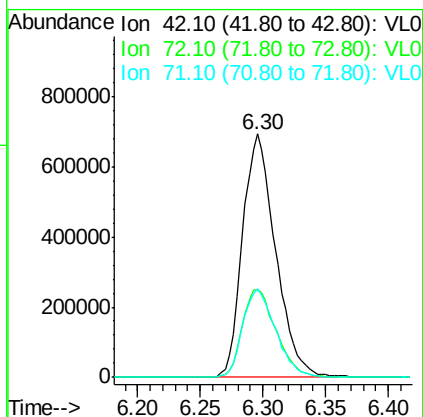
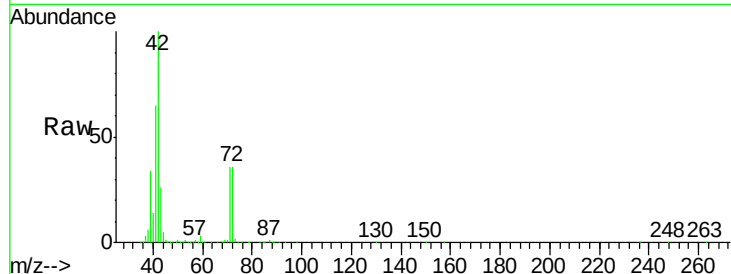
#41
Tetrahydrofuran
Concen: 8.70 ppbv
RT: 6.30 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	30.4	45.6
71	36.5	29.2	43.8

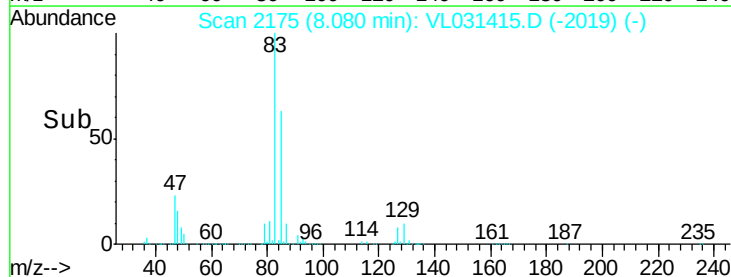
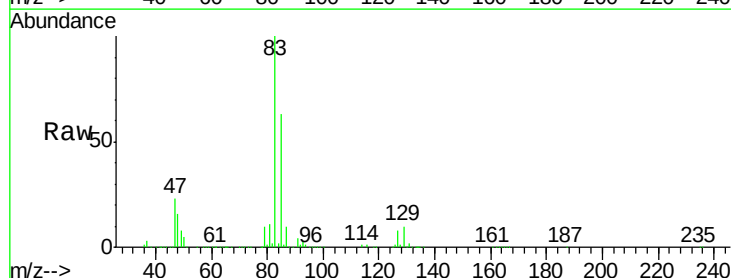
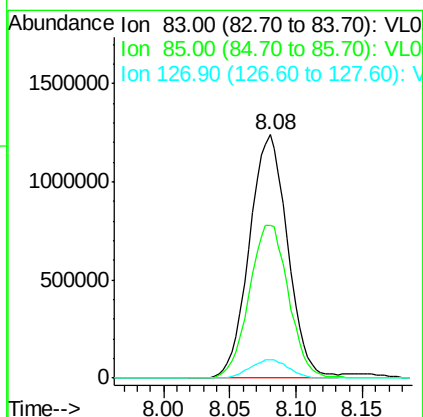
Manual Integrations
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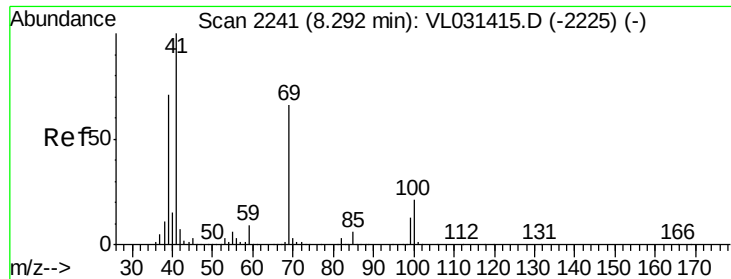
MMDadoda
1/24/2018 5:10:09 PM



#42
Bromodichloromethane
Concen: 7.65 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. 0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.1	78.1
127	7.5	6.6	10.0





#43

Methyl Methacrylate

Concen: 7.90 ppbv

RT: 8.29 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

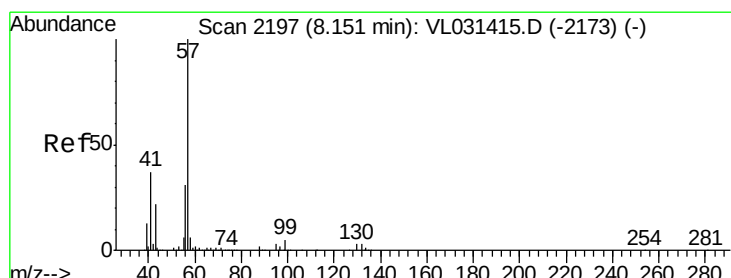
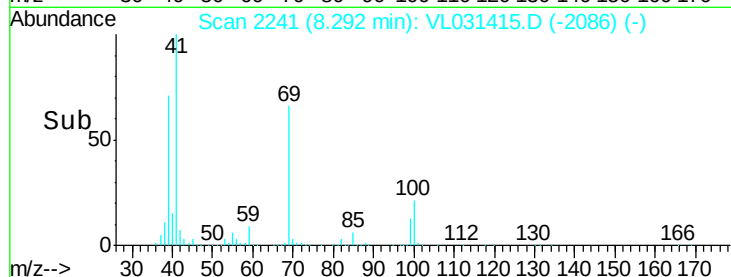
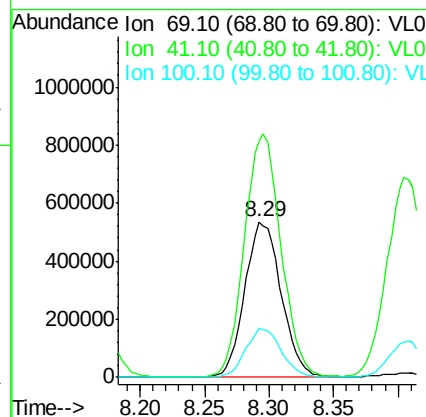
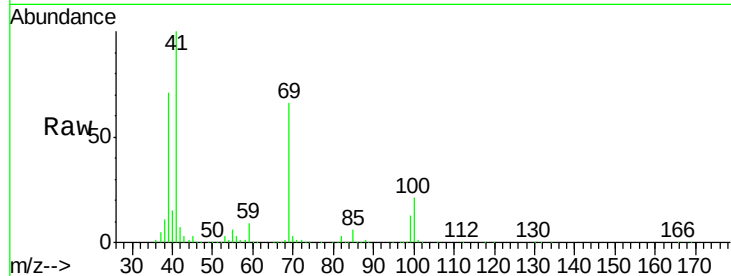
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 69 Resp: 1054404

Ion	Ratio	Lower	Upper
69	100		
41	157.1	127.0	190.6
100	31.0	24.6	37.0

Manual Integrations
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1/24/2018 5:10:09 PM



#44

2,2,4-Trimethylpentane

Concen: 7.47 ppbv

RT: 8.15 min Scan# 2197

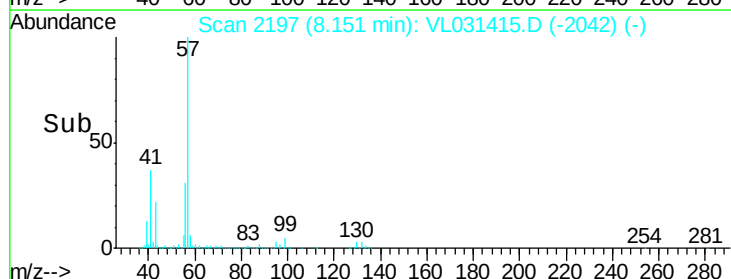
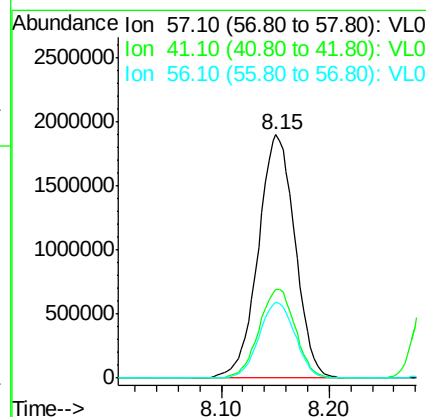
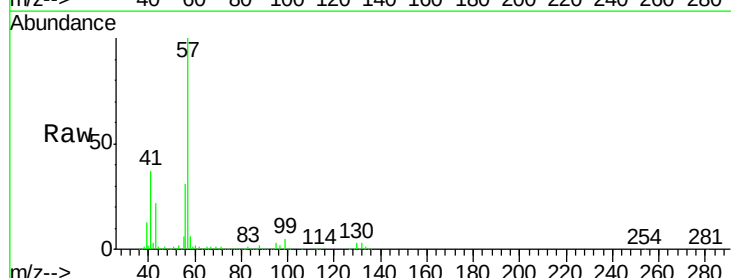
Delta R.T. -0.00 min

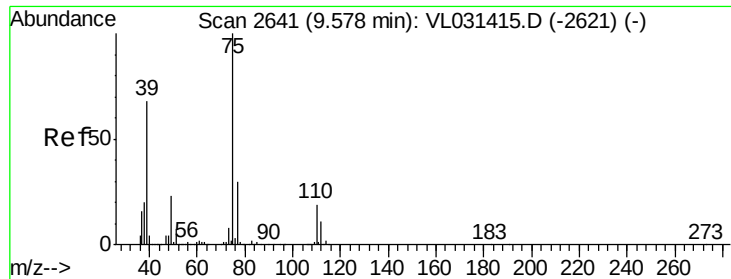
Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Tgt Ion: 57 Resp: 4482534

Ion	Ratio	Lower	Upper
57	100		
41	36.0	28.8	43.2
56	30.5	24.6	37.0





#45

t-1,3-Dichloropropene

Concen: 8.77 ppbv

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 75 Resp: 1612836

Ion Ratio Lower Upper

75 100

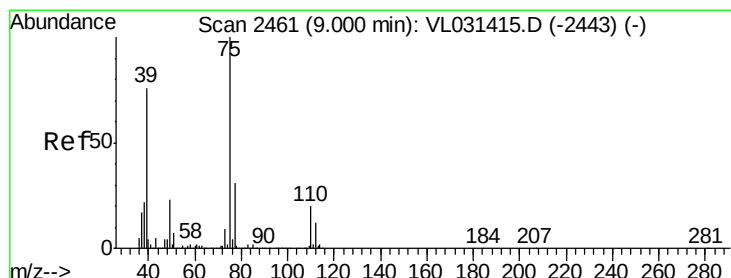
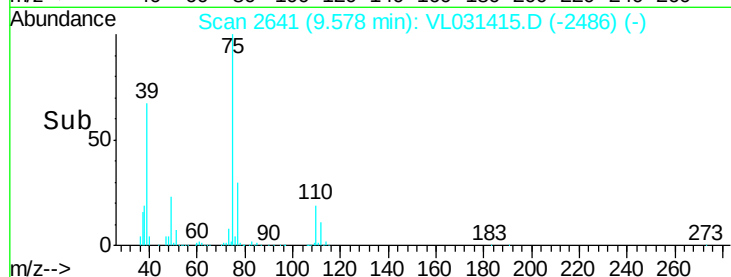
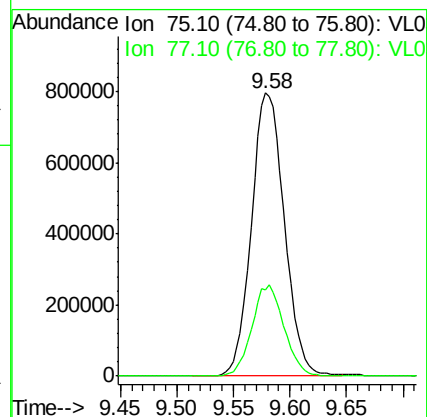
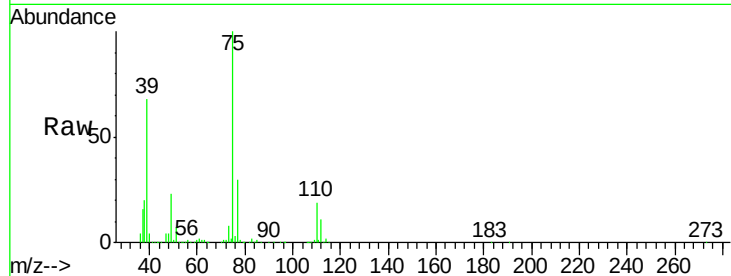
77 30.4 25.3 37.9

Manual Integrations

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#46

cis-1,3-Dichloropropene

Concen: 8.36 ppbv

RT: 9.00 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

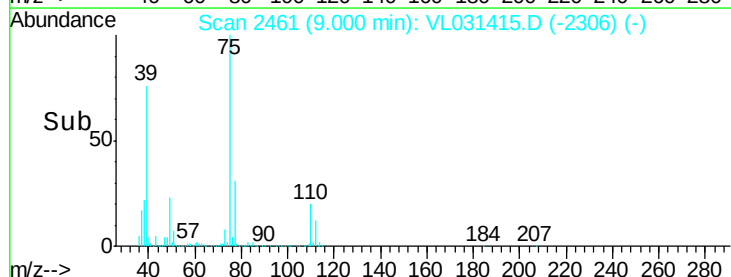
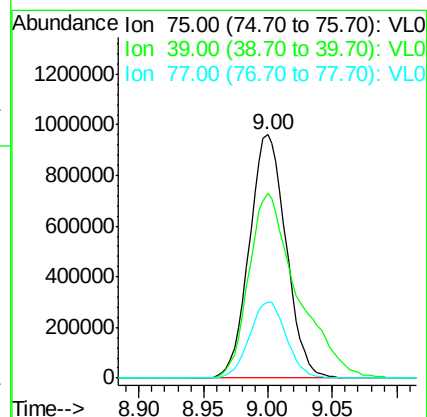
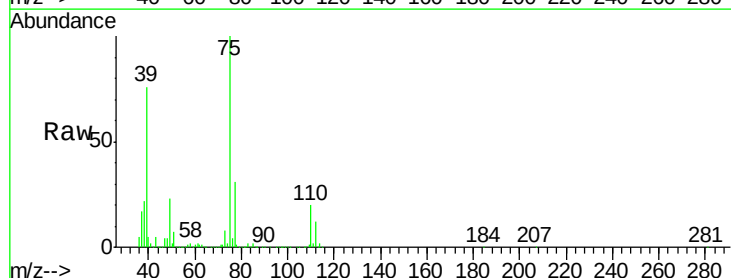
Tgt Ion: 75 Resp: 1901344

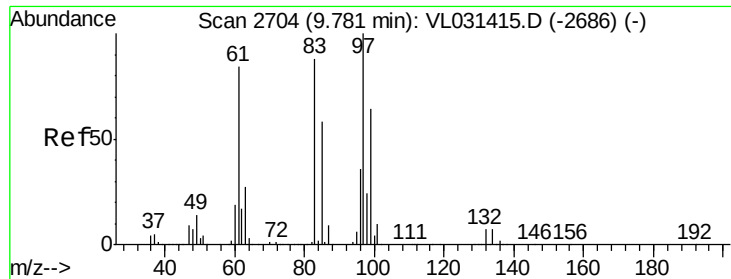
Ion Ratio Lower Upper

75 100

39 75.9 59.4 89.0

77 31.4 25.0 37.4





#47
 1,1,2-Trichloroethane
 Concen: 7.52 ppbv
 RT: 9.78 min Scan# 2704
 Delta R.T. -0.00 min
 Lab File: VL031415.D
 Acq: 22 Jan 2018 13:14

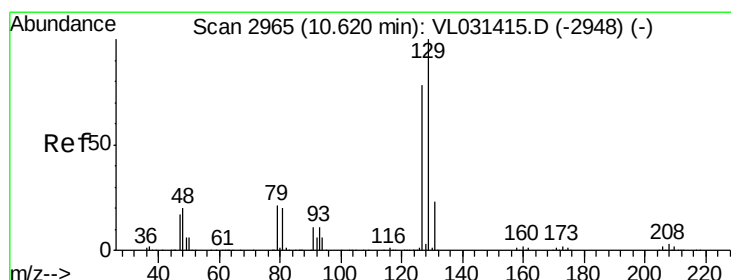
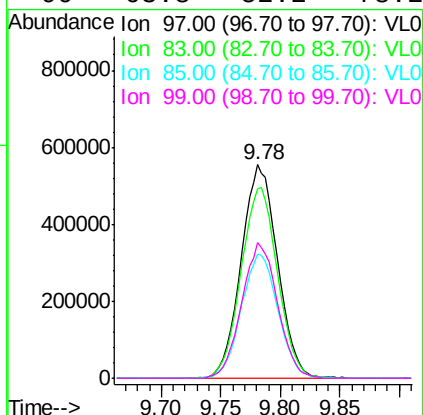
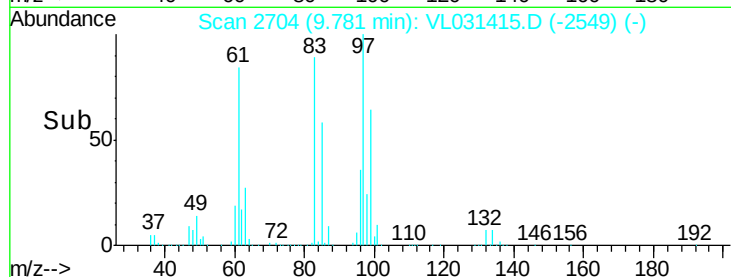
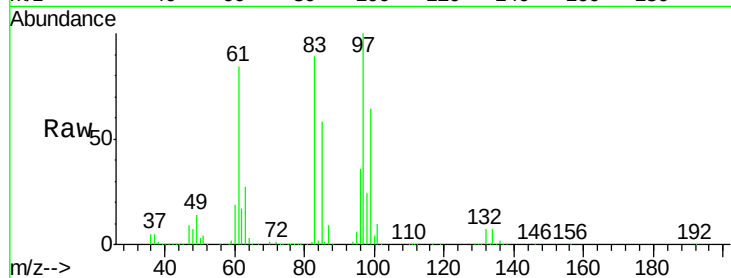
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 97 Resp: 1172006

Ion	Ratio	Lower	Upper
97	100		
83	88.4	71.4	107.2
85	58.0	46.2	69.2
99	63.8	52.2	78.2

Manual Integrations
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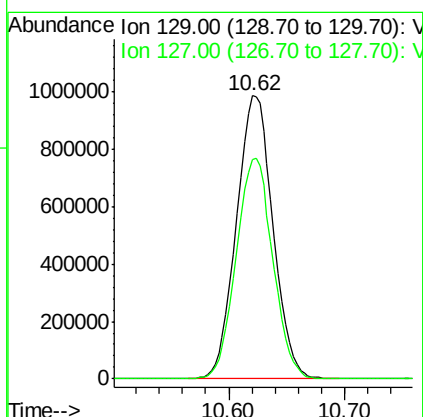
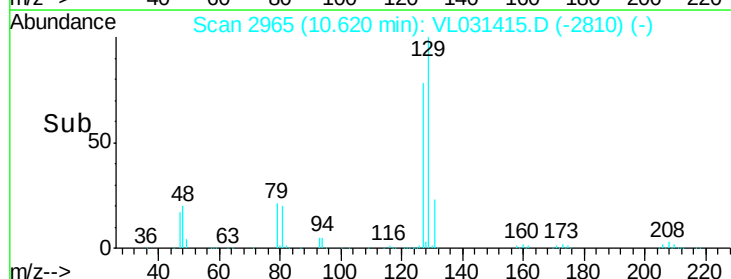
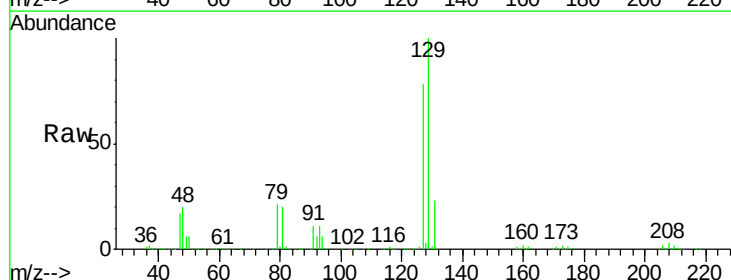
MMDadoda
 1/24/2018 5:10:09 PM

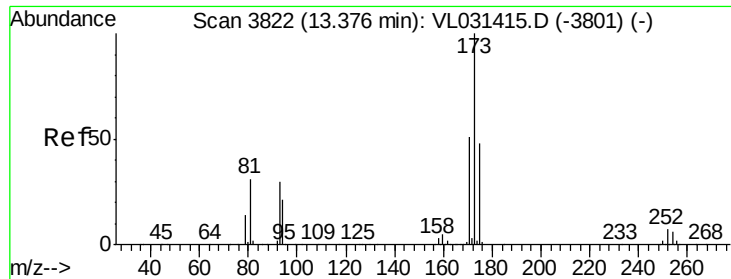


#48
 Dibromochloromethane
 Concen: 7.81 ppbv
 RT: 10.62 min Scan# 2965
 Delta R.T. -0.00 min
 Lab File: VL031415.D
 Acq: 22 Jan 2018 13:14

Tgt Ion: 129 Resp: 2153616

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.4	118.1





#49

Bromoform

Concen: 7.66 ppbv

RT: 13.38 min Scan# 3822

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:173 Resp: 1660113

Ion Ratio Lower Upper

173 100

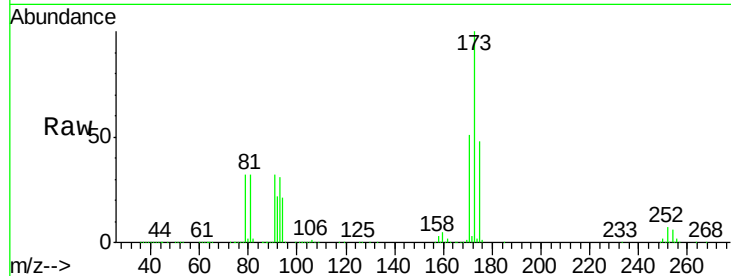
175 48.9 39.0 58.4

171 51.8 42.0 63.0

Manual Integrations
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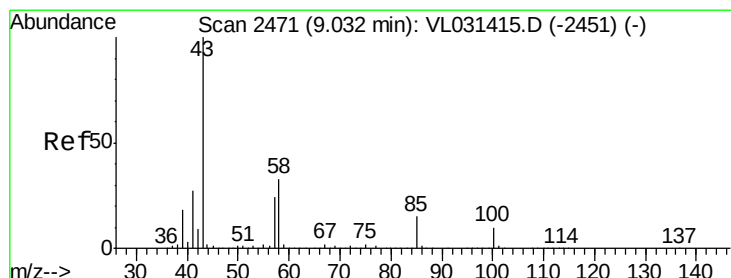
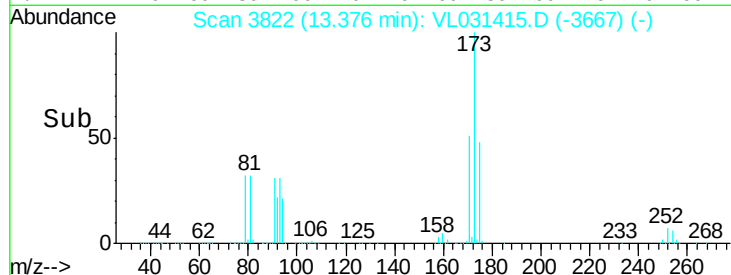
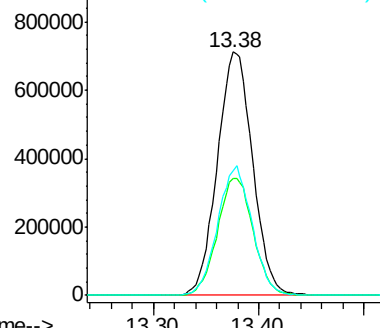
1/24/2018 5:10:09 PM



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



#50

4-Methyl-2-Pentanone

Concen: 7.04 ppbv

RT: 9.03 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VL031415.D

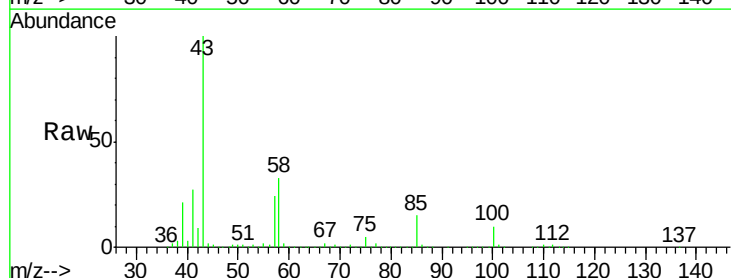
Acq: 22 Jan 2018 13:14

Tgt Ion: 43 Resp: 2671938

Ion Ratio Lower Upper

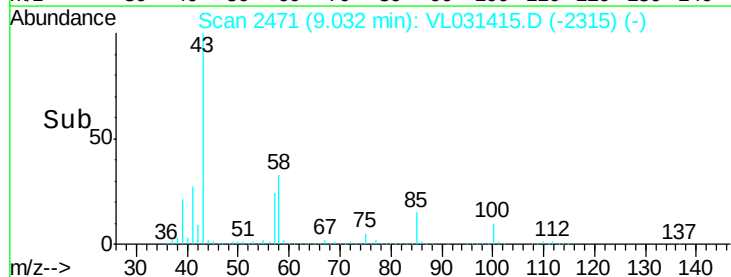
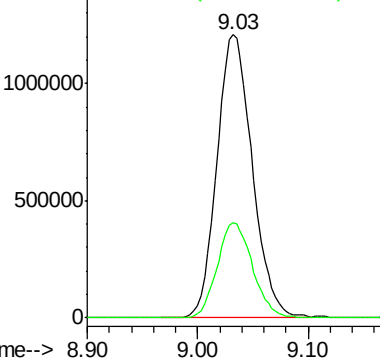
43 100

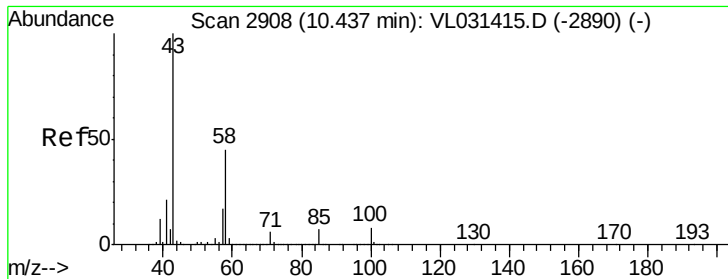
58 33.8 27.1 40.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





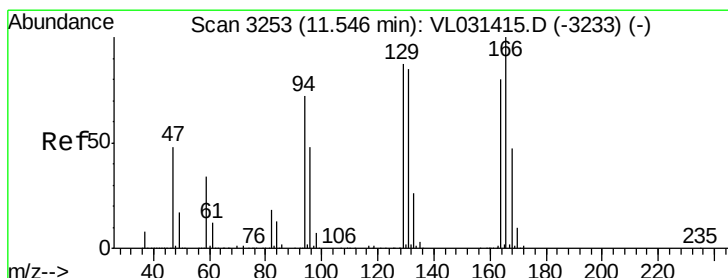
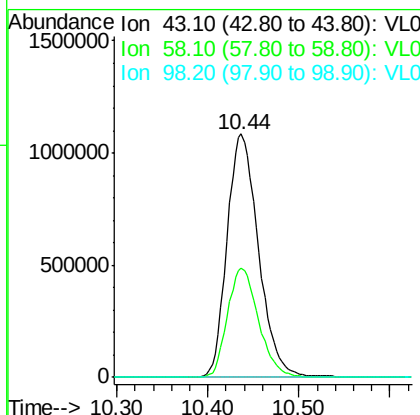
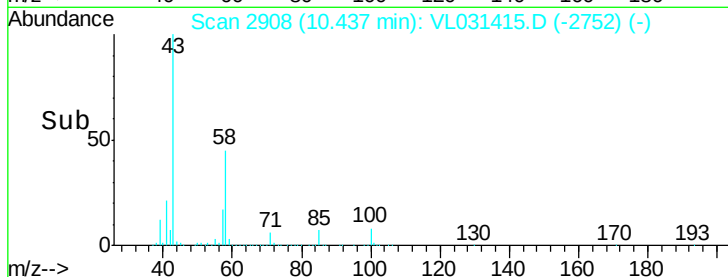
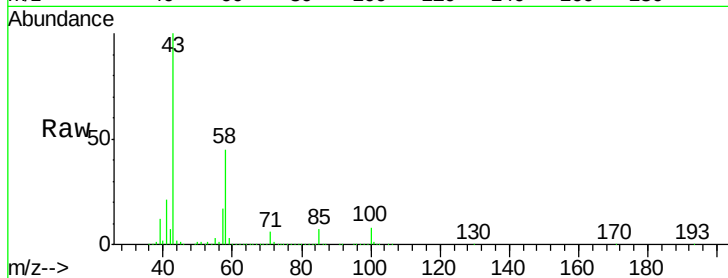
#51
2-Hexanone
Concen: 6.75 ppbv
RT: 10.44 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 2604013
Ion Ratio Lower Upper
43 100
58 44.7 36.2 54.4
98 0.3 0.1 0.1#

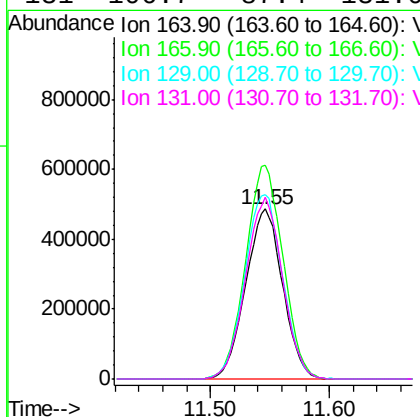
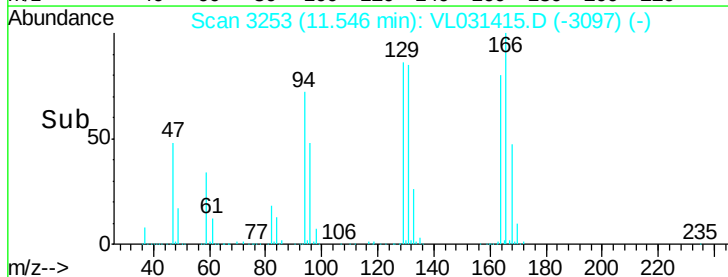
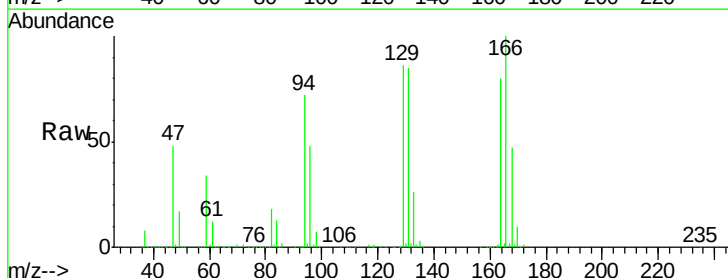
Manual Integrations
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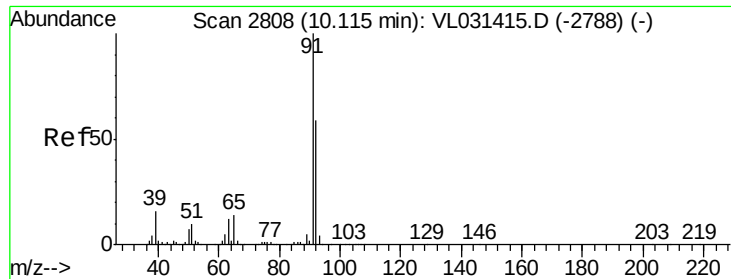
MMDadoda
1/24/2018 5:10:09 PM



#52
Tetrachloroethene
Concen: 7.42 ppbv
RT: 11.55 min Scan# 3253
Delta R.T. 0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Tgt Ion: 164 Resp: 1046699
Ion Ratio Lower Upper
164 100
166 125.8 100.2 150.2
129 108.8 91.4 137.0
131 106.7 87.4 131.0





#53

Toluene

Concen: 7.95 ppbv

RT: 10.12 min Scan# 2808

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3354061

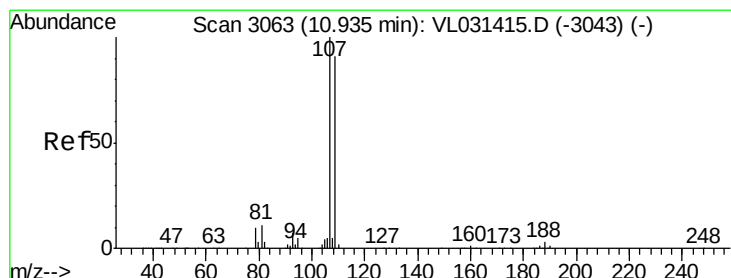
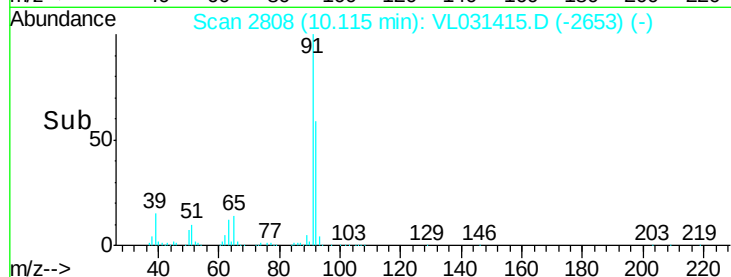
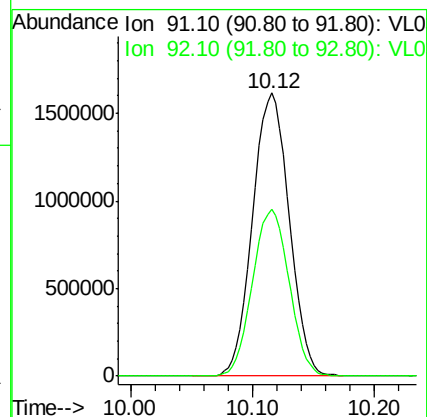
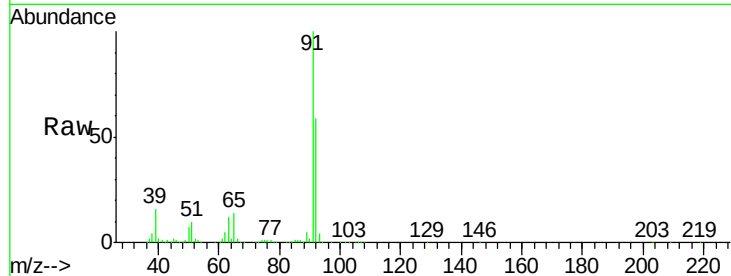
Ion Ratio Lower Upper

91 100

92 59.0 47.8 71.6

Manual Integrations
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1/24/2018 5:10:09 PM



#54

1,2-Dibromoethane

Concen: 7.73 ppbv

RT: 10.94 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VL031415.D

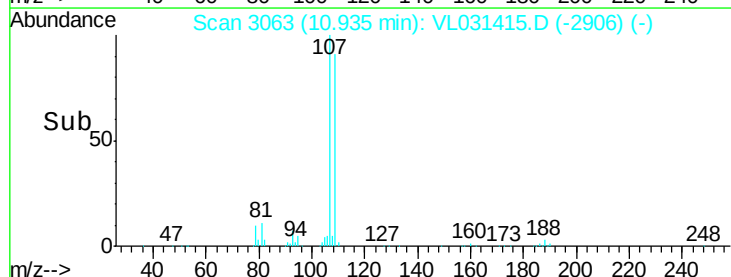
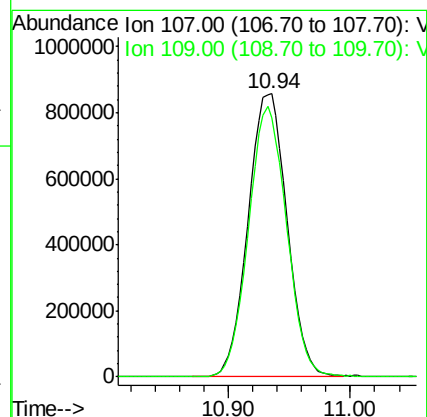
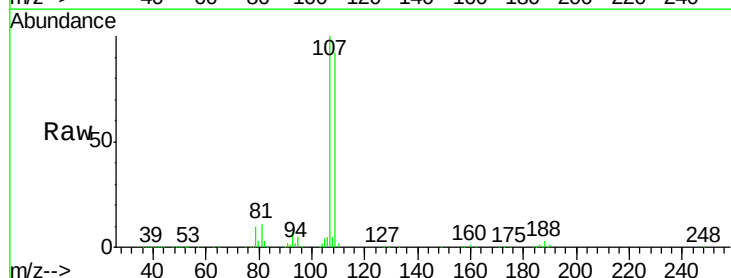
Acq: 22 Jan 2018 13:14

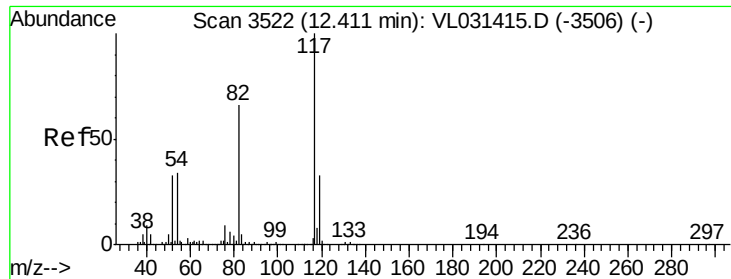
Tgt Ion: 107 Resp: 1889177

Ion Ratio Lower Upper

107 100

109 91.5 75.5 113.3





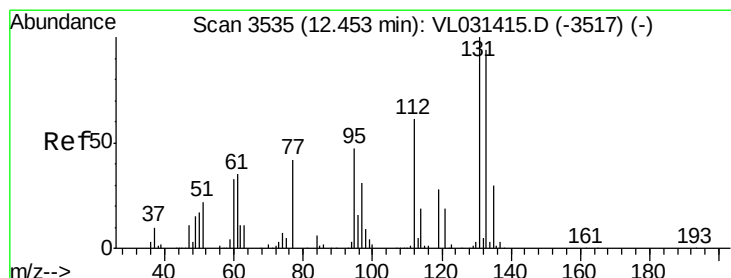
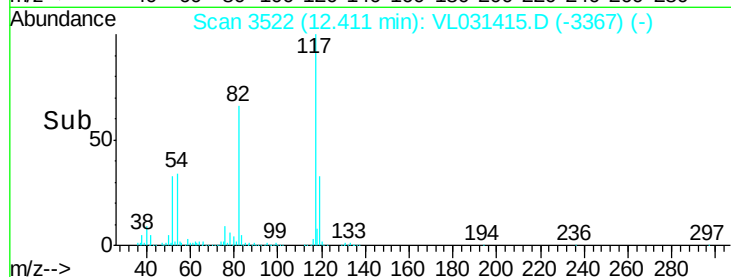
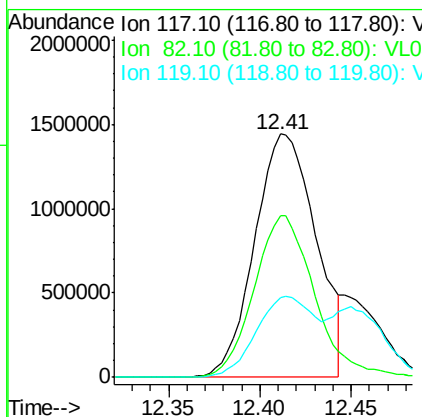
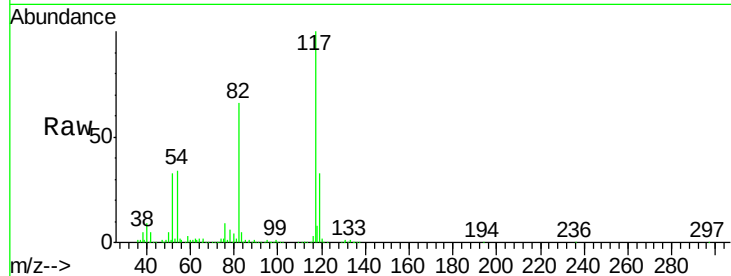
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 3381218
Ion Ratio Lower Upper
117 100
82 65.7 51.8 77.6
119 31.2 24.2 36.2

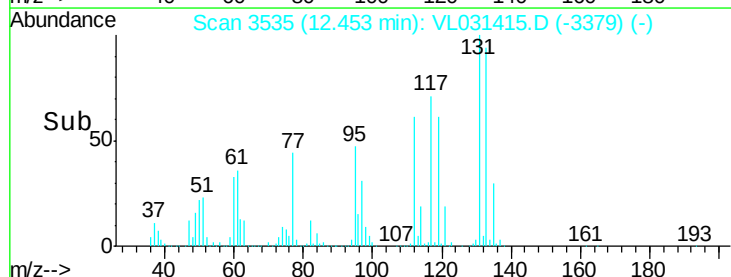
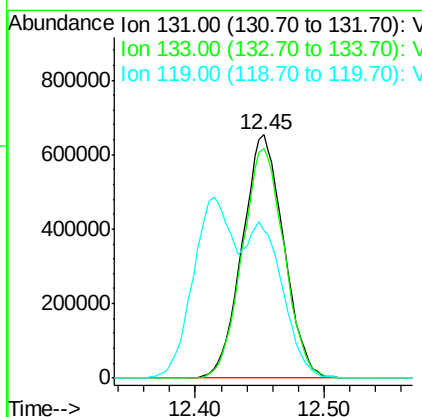
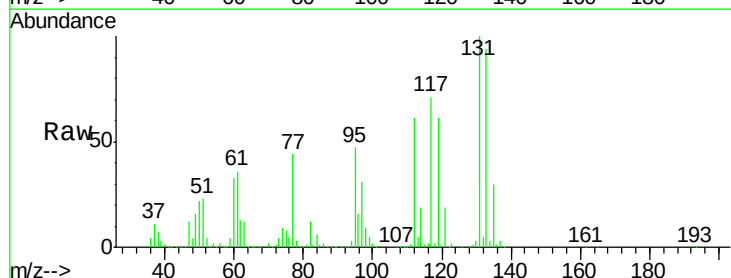
Manual Integrations
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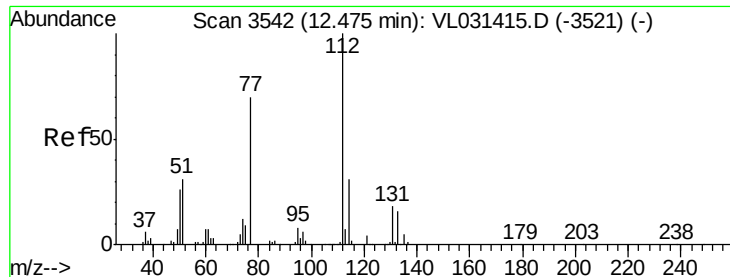
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.38 ppbv
RT: 12.45 min Scan# 3535
Delta R.T. 0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Tgt Ion:131 Resp: 1461450
Ion Ratio Lower Upper
131 100
133 95.2 76.9 115.3
119 59.4 47.7 71.5





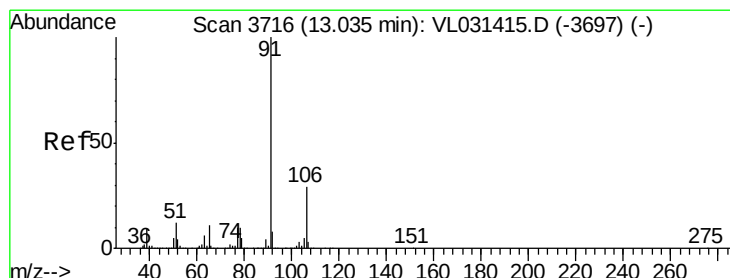
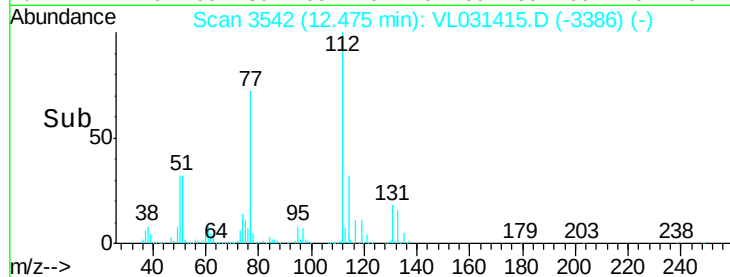
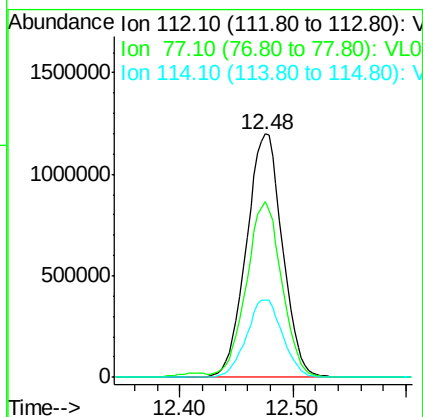
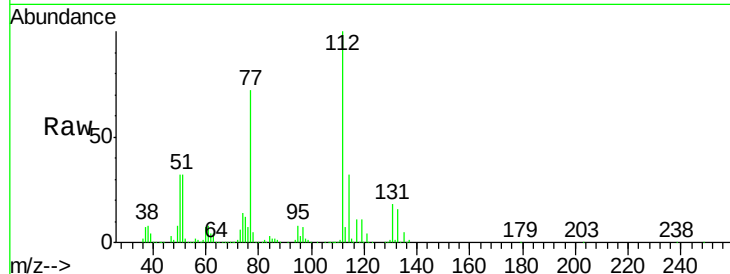
#57
Chlorobenzene
Concen: 8.30 ppbv
RT: 12.48 min Scan# 3542
Delta R.T. 0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	71.8	56.0	84.0
114	31.5	29.1	35.5

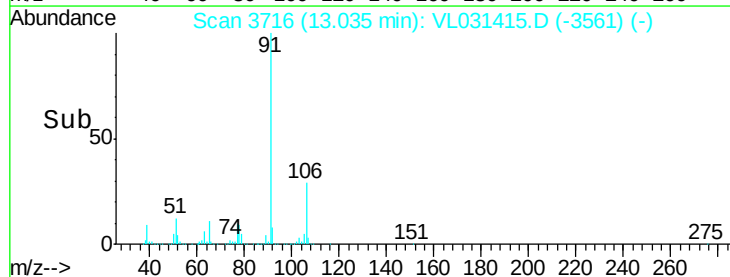
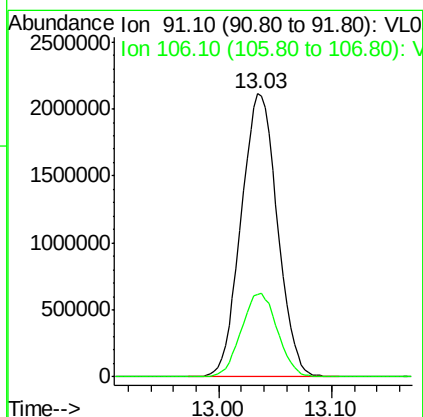
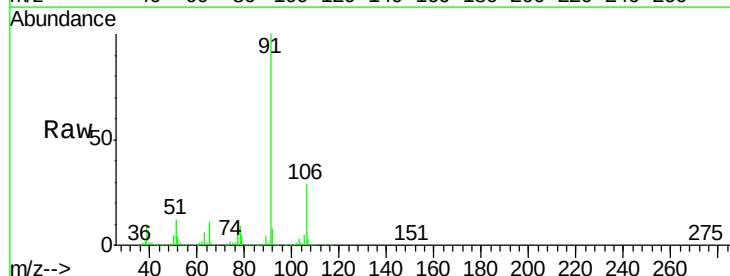
Manual Integrations
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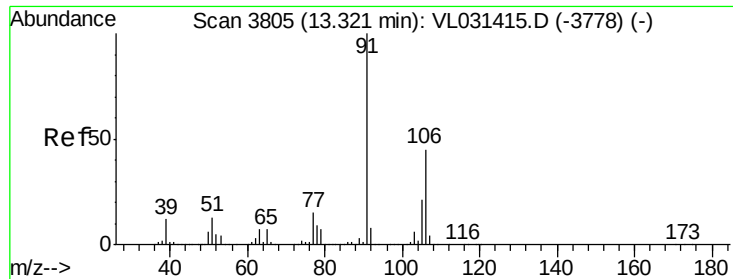
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#58
Ethyl Benzene
Concen: 8.53 ppbv
RT: 13.03 min Scan# 3716
Delta R.T. -0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.8	35.6





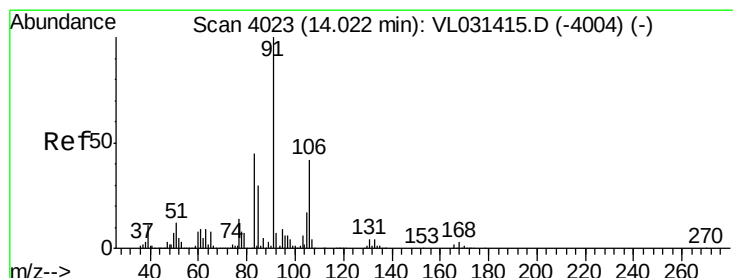
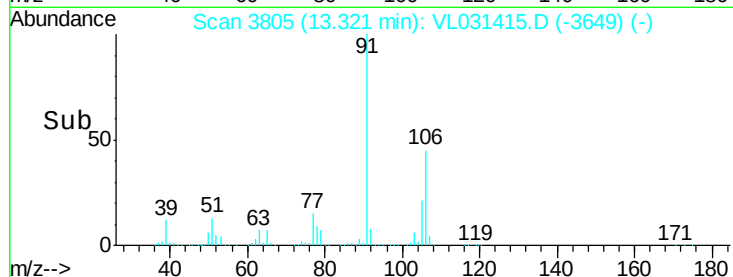
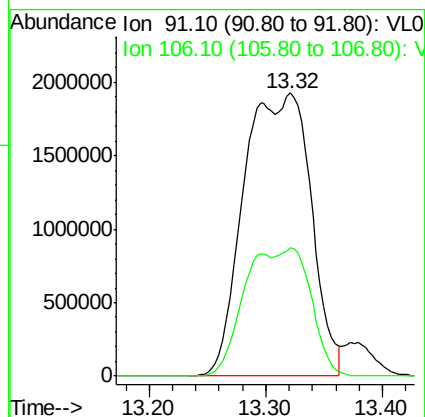
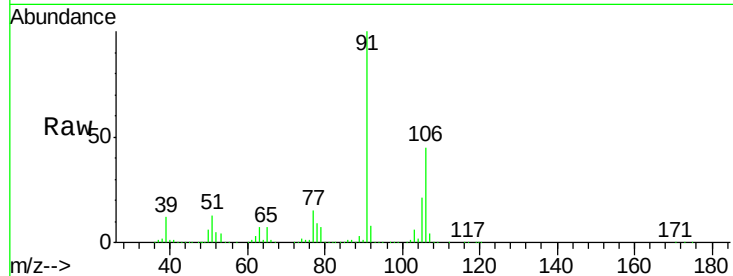
#59
m/p-Xylene
Concen: 16.85 ppbv m
RT: 13.32 min Scan# 3805
Delta R.T. 0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 7694874
Ion Ratio Lower Upper
91 100
106 44.5 35.6 53.4

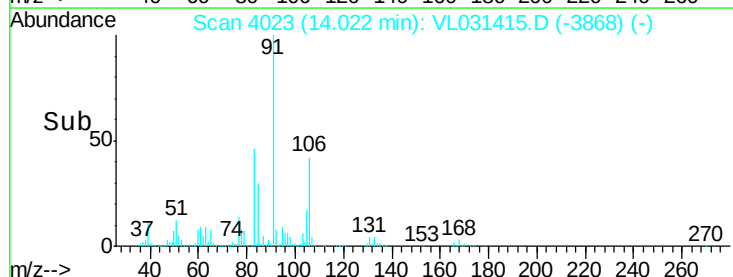
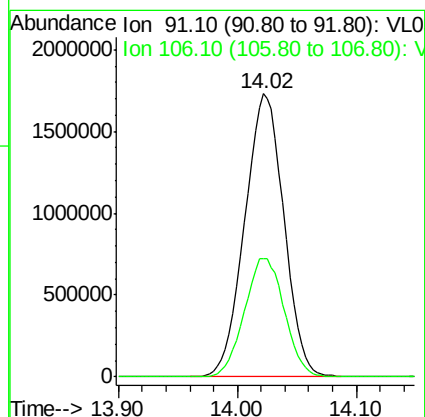
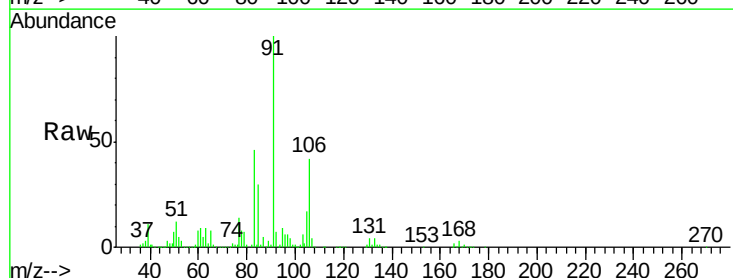
Manual Integrations
APPROVED

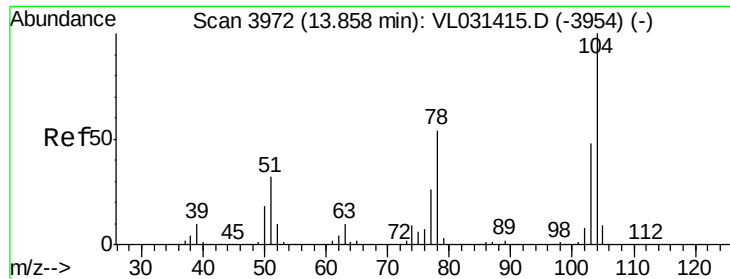
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1/24/2018 5:10:09 PM



#60
o-Xylene
Concen: 8.44 ppbv
RT: 14.02 min Scan# 4023
Delta R.T. -0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Tgt Ion: 91 Resp: 3934572
Ion Ratio Lower Upper
91 100
106 43.0 21.3 64.0





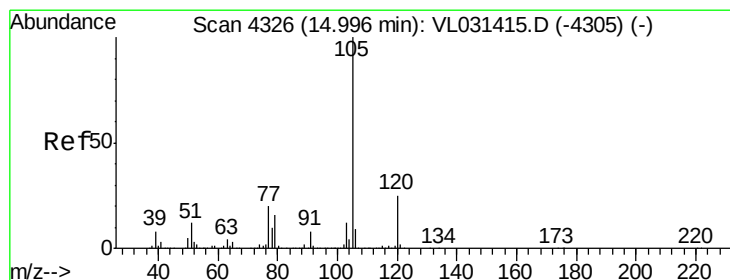
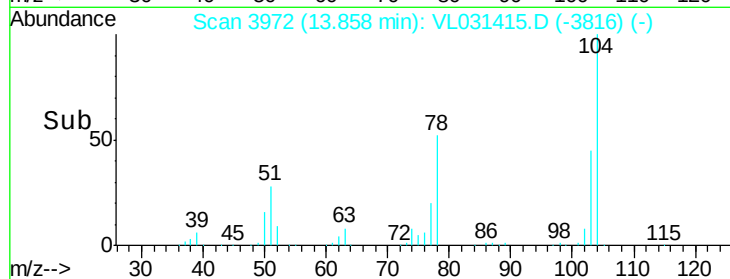
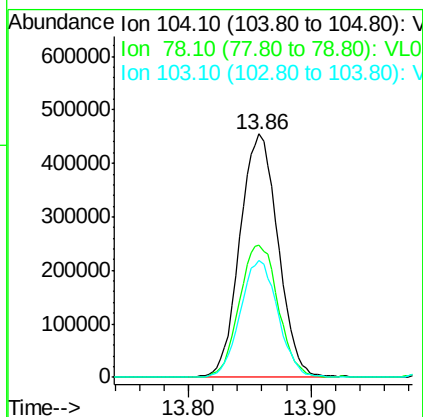
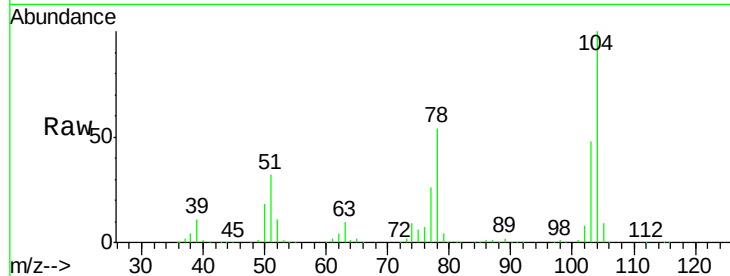
#61
Stvrene
Concen: 9.59 ppbv
RT: 13.86 min Scan# 3972
Delta R.T. 0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.9	45.4	68.0
103	47.5	38.6	57.8

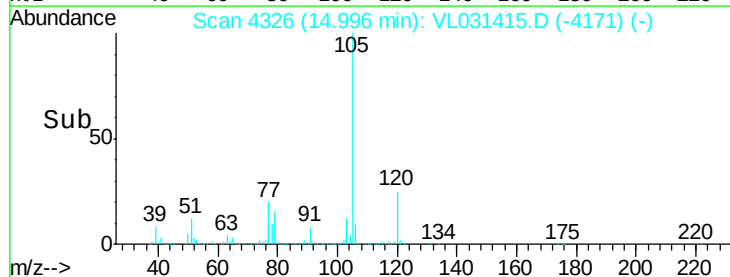
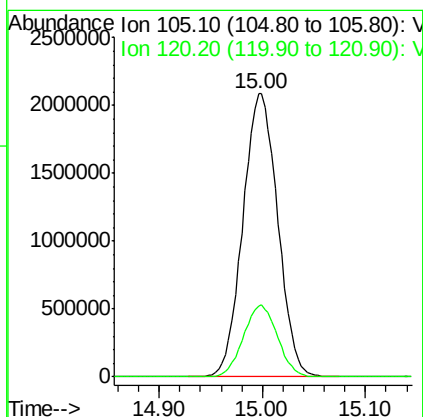
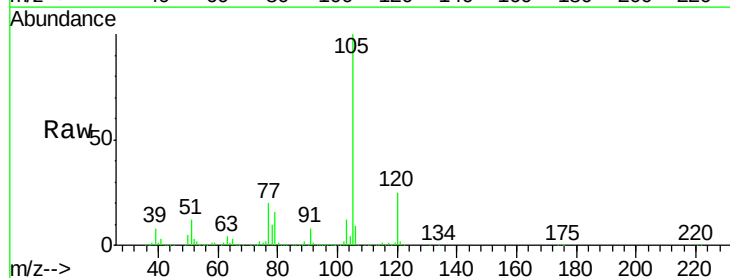
Manual Integrations
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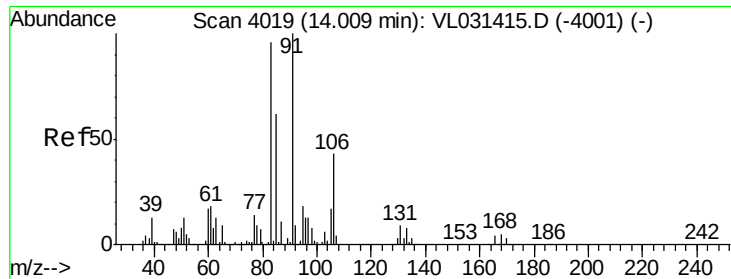
MMDadoda
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#62
Isopropylbenzene
Concen: 8.35 ppbv
RT: 15.00 min Scan# 4326
Delta R.T. -0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.0	19.9	29.9





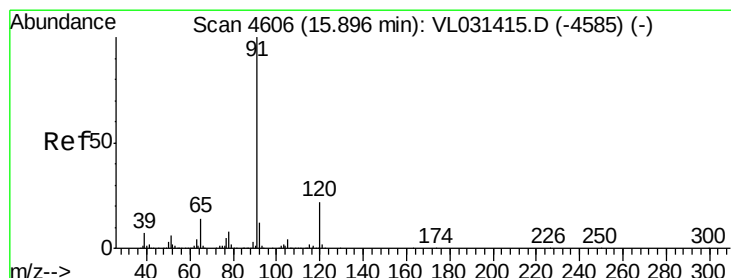
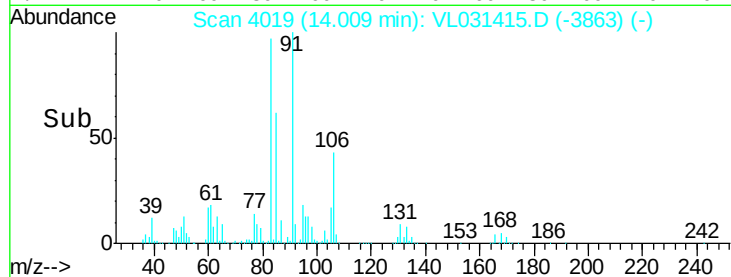
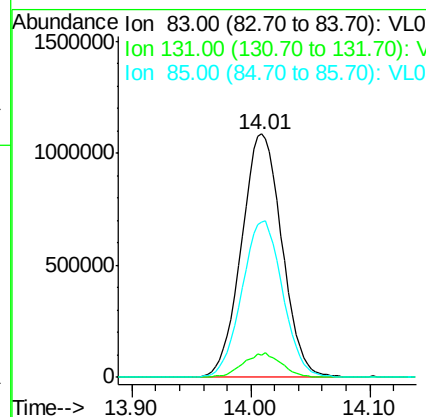
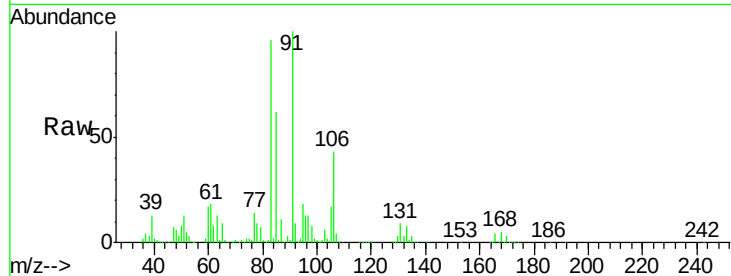
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.26 ppbv
 RT: 14.01 min Scan# 4019
 Delta R.T. 0.00 min
 Lab File: VL031415.D
 Acq: 22 Jan 2018 13:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	83	Resp	2551578
Ion Ratio	100	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	65.0	32.4	97.0

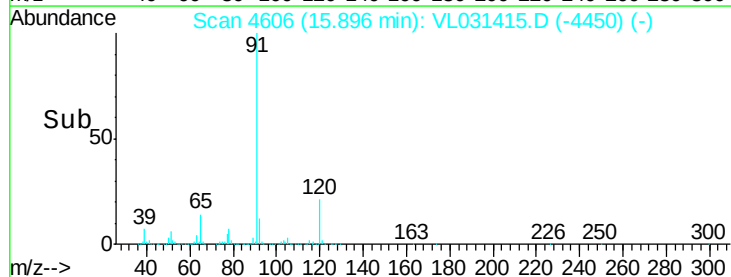
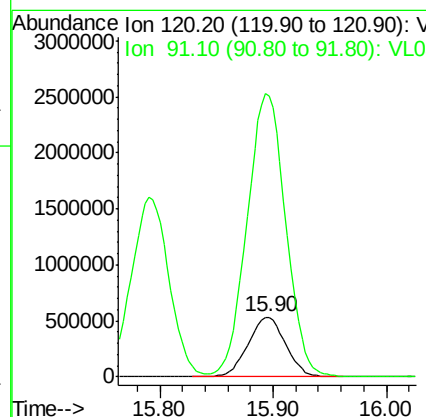
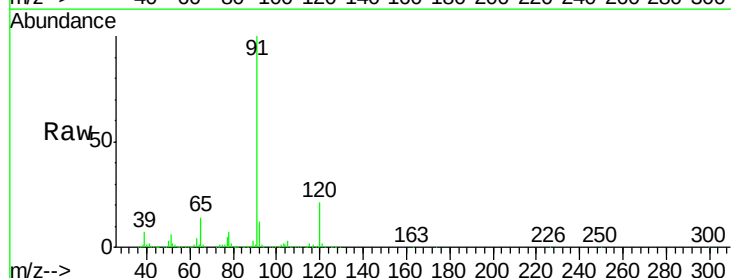
Manual Integrations
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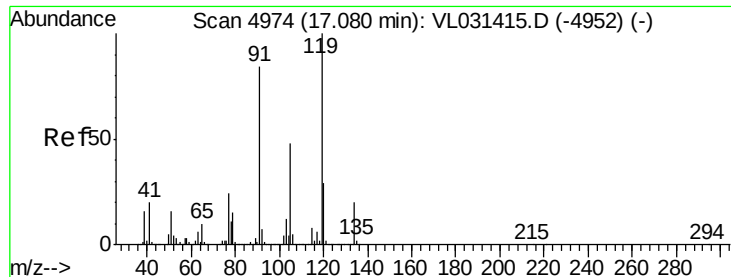
MMDadoda
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#64
 n-propylbenzene
 Concen: 8.38 ppbv
 RT: 15.90 min Scan# 4606
 Delta R.T. 0.00 min
 Lab File: VL031415.D
 Acq: 22 Jan 2018 13:14

Tgt Ion	120	Resp	1233565
Ion Ratio	100	Lower	Upper
120	100		
91	486.7	389.8	584.6





#65

tert-Butylbenzene

Concen: 8.22 ppbv

RT: 17.08 min Scan# 4974

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:119 Resp: 4283260

Ion Ratio Lower Upper

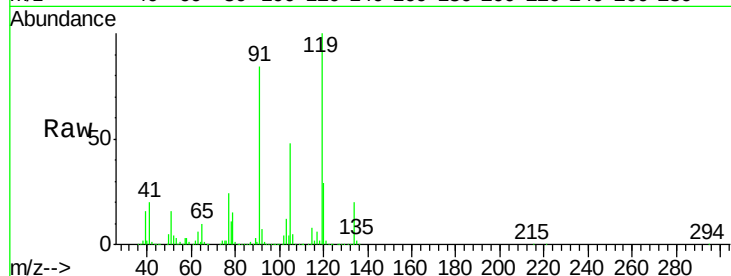
119 100

91 86.3 69.0 103.6

134 19.6 15.7 23.5

Manual Integrations
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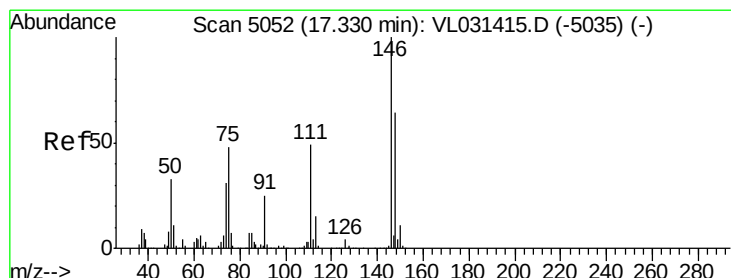
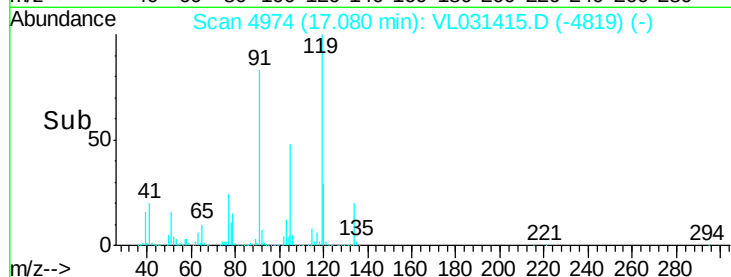
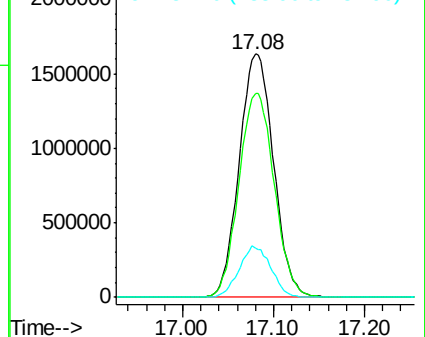
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.39 ppbv

RT: 17.33 min Scan# 5052

Delta R.T. 0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

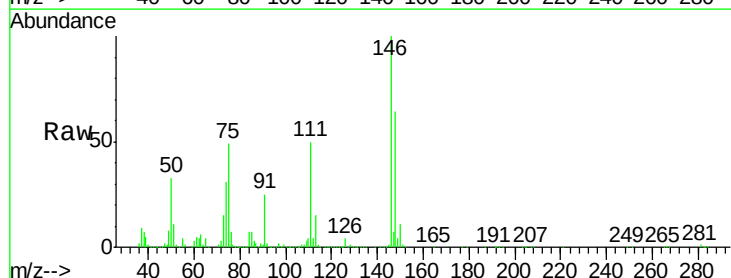
Tgt Ion: 91 Resp: 459333

Ion Ratio Lower Upper

91 100

126 17.2 13.8 20.8

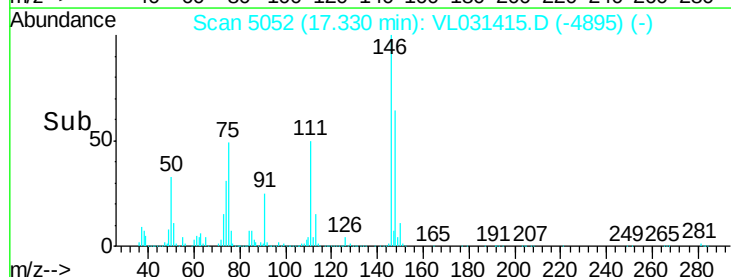
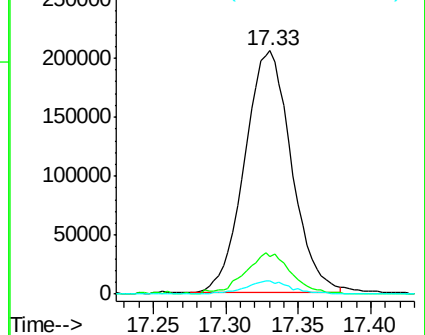
128 5.6 4.6 6.8

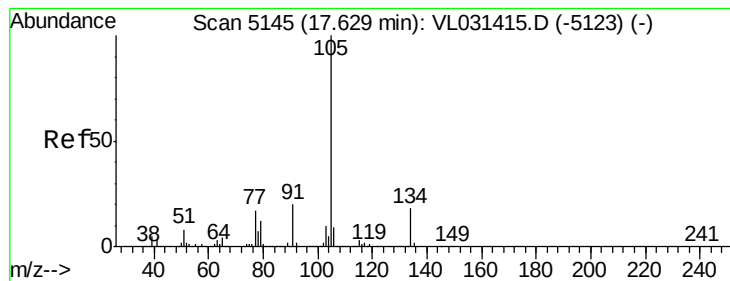


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.04 ppbv

RT: 17.63 min Scan# 5145

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 5949081

Ion Ratio Lower Upper

105 100

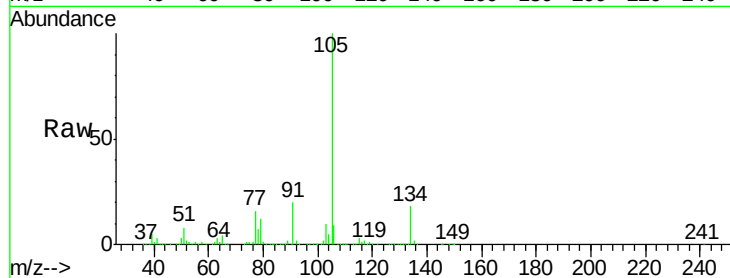
134 18.0 14.5 21.7

Manual Integrations

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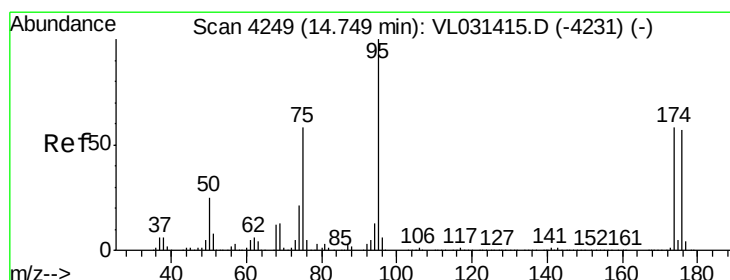
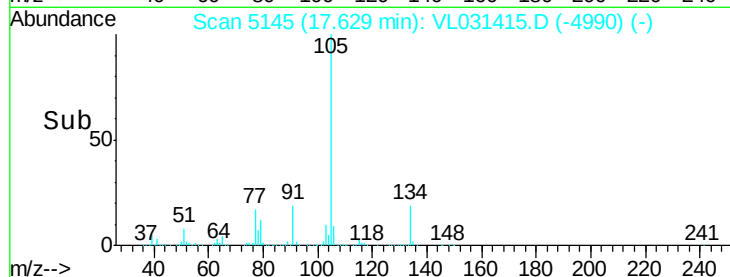
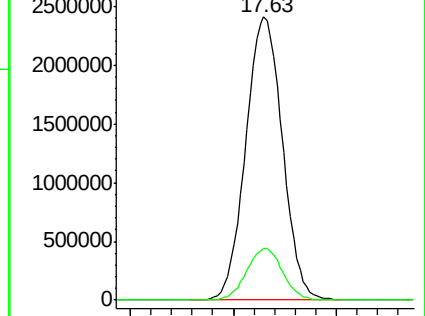
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.05 ppbv

RT: 14.75 min Scan# 4249

Delta R.T. 0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

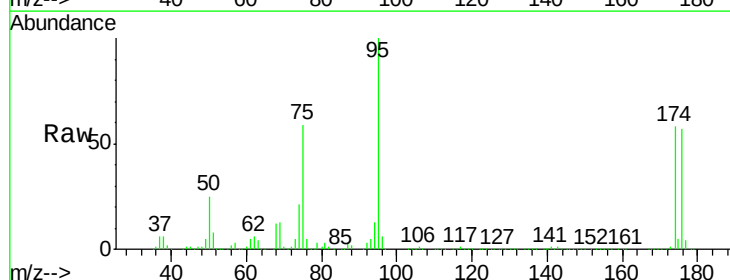
Tgt Ion: 95 Resp: 2684675

Ion Ratio Lower Upper

95 100

174 61.1 48.2 72.4

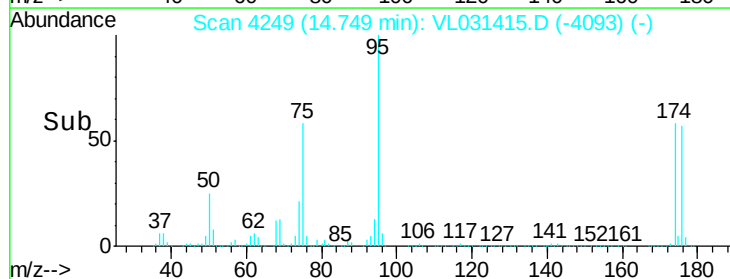
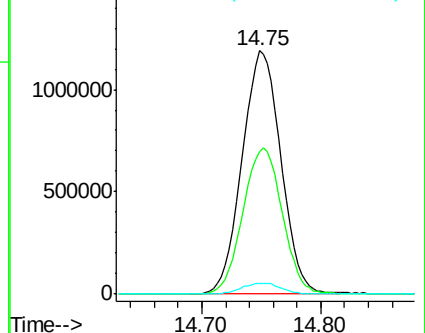
175 4.6 3.6 5.4

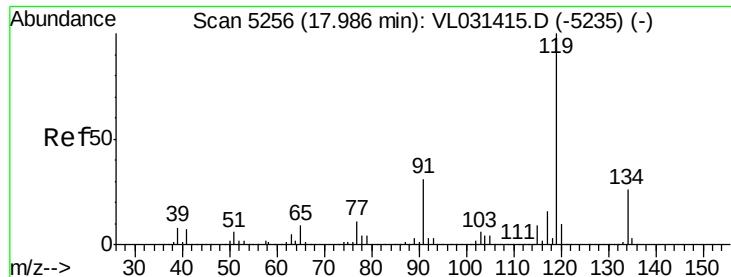


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





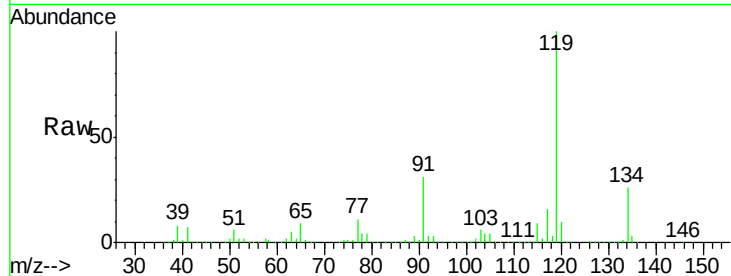
#69
 p-Isopropyltoluene
 Concen: 8.23 ppbv
 RT: 17.99 min Scan# 5256
 Delta R.T. 0.00 min
 Lab File: VL031415.D
 Acq: 22 Jan 2018 13:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

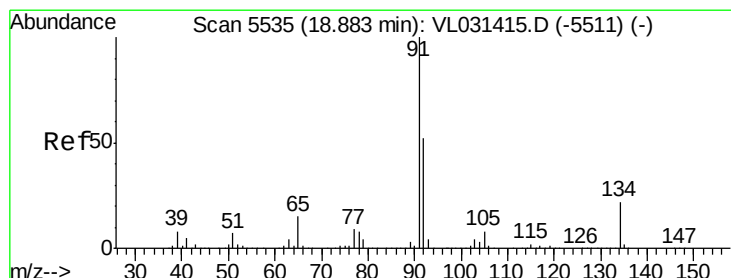
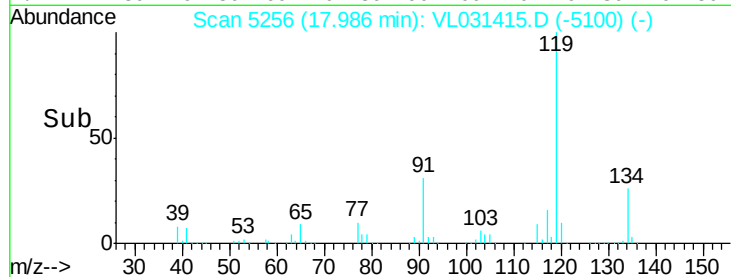
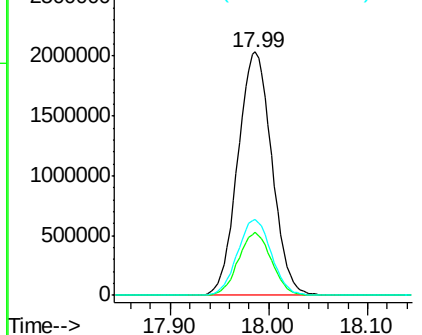
Tot Ion: 119 Resp: 4849669
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.2 30.4
 91 31.1 25.0 37.4

Manual Integrations
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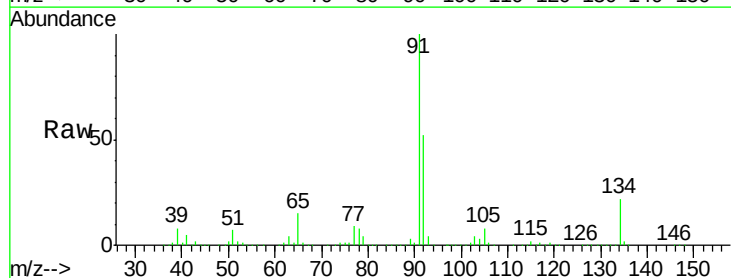


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

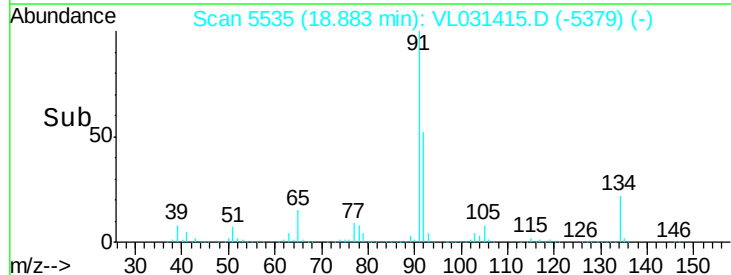
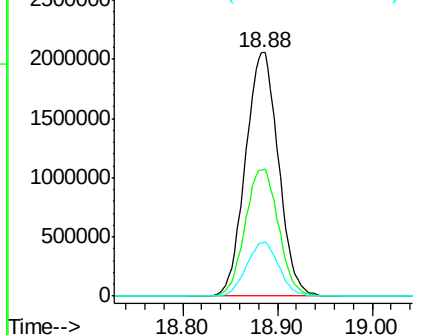


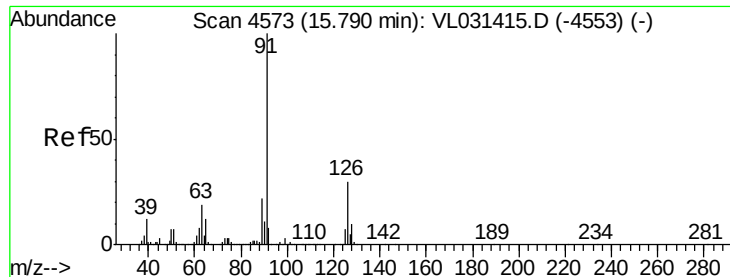
#70
 n-Butylbenzene
 Concen: 8.09 ppbv
 RT: 18.88 min Scan# 5535
 Delta R.T. 0.00 min
 Lab File: VL031415.D
 Acq: 22 Jan 2018 13:14

Tgt Ion: 91 Resp: 4968987
 Ion Ratio Lower Upper
 91 100
 92 52.7 42.2 63.4
 134 21.8 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





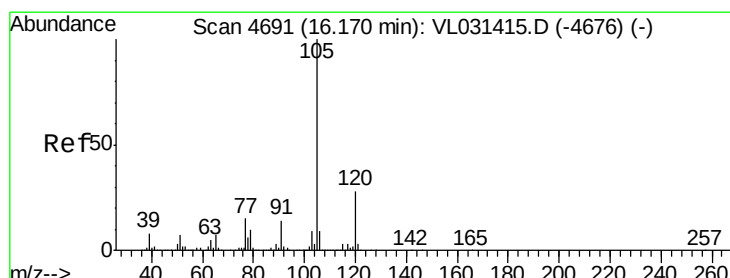
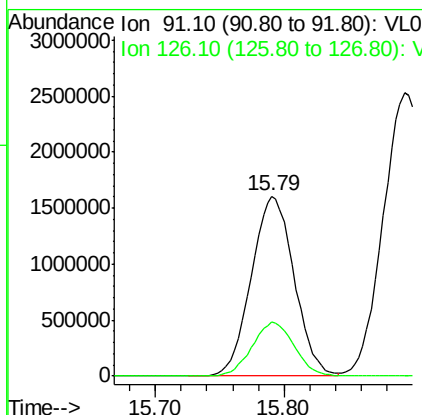
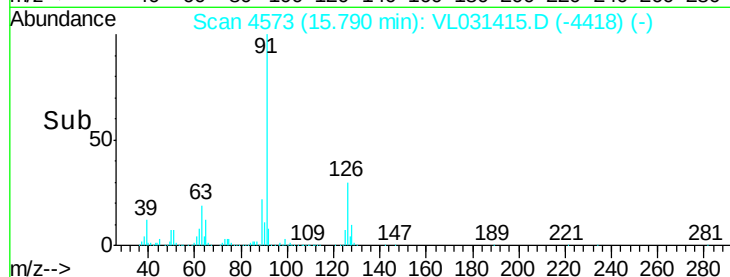
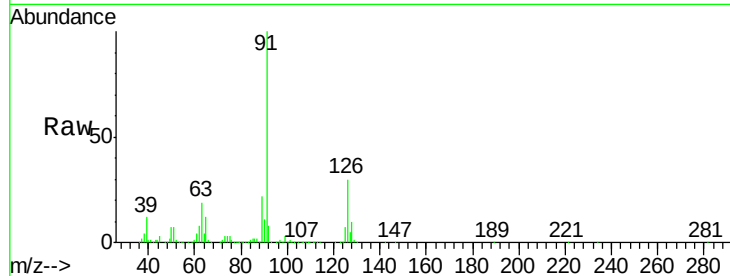
#71
 2-Chlorotoluene
 Concen: 8.25 ppbv
 RT: 15.79 min Scan# 4573
 Delta R.T. -0.00 min
 Lab File: VL031415.D
 Acq: 22 Jan 2018 13:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 91 Resp: 3712086
 Ion Ratio Lower Upper
 91 100
 126 29.7 11.7 46.9

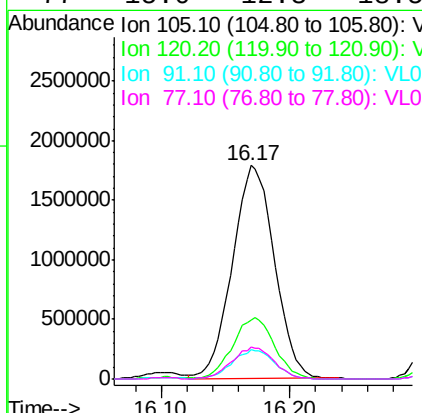
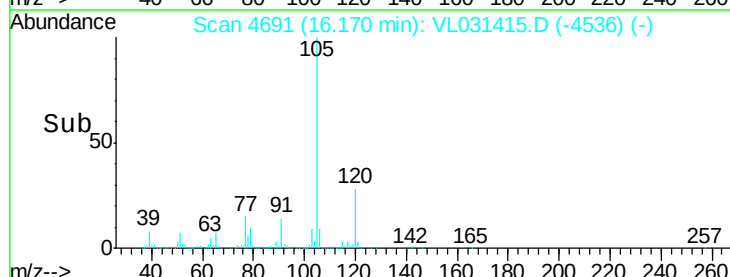
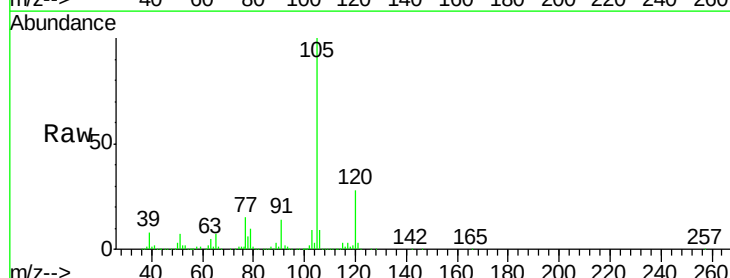
Manual Integrations
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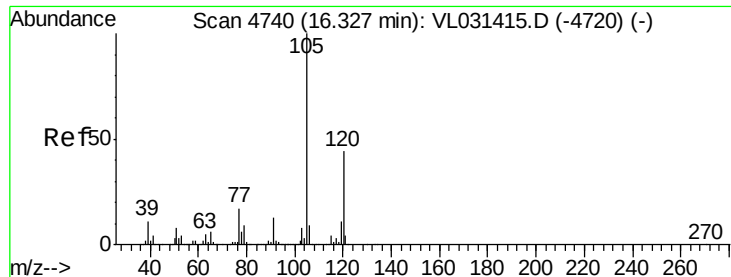
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#72
 4-Ethyltoluene
 Concen: 8.52 ppbv
 RT: 16.17 min Scan# 4691
 Delta R.T. -0.00 min
 Lab File: VL031415.D
 Acq: 22 Jan 2018 13:14

Tgt Ion: 105 Resp: 4056857
 Ion Ratio Lower Upper
 105 100
 120 28.7 23.0 34.6
 91 13.7 11.0 16.4
 77 15.0 12.3 18.5





#73

1,3,5-Trimethylbenzene

Concen: 8.55 ppbv

RT: 16.33 min Scan# 4740

Delta R.T. 0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 3618929

Ion Ratio Lower Upper

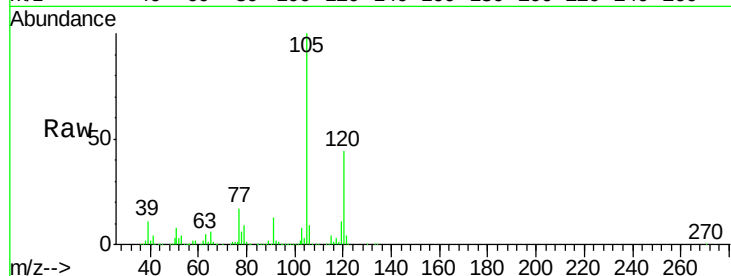
105 100

120 44.0 35.8 53.6

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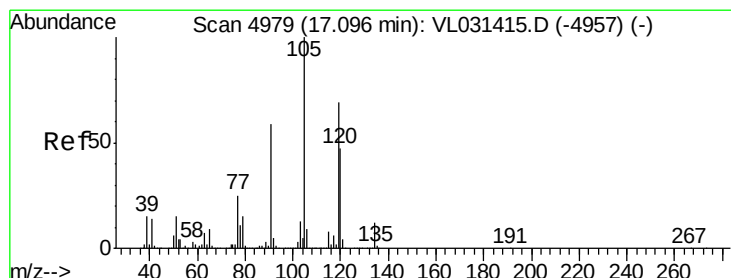
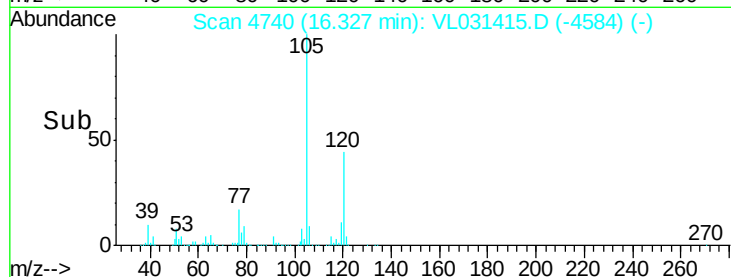
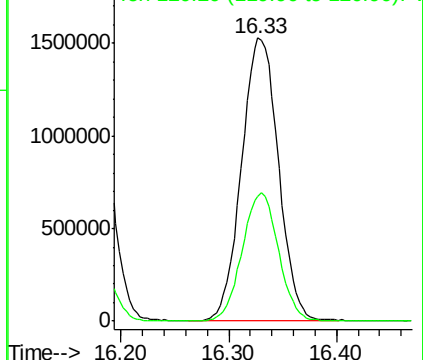
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.39 ppbv

RT: 17.10 min Scan# 4979

Delta R.T. -0.01 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Tgt Ion:105 Resp: 3868934

Ion Ratio Lower Upper

105 100

120 46.8 37.0 55.6

91 59.4 35.1 52.7#

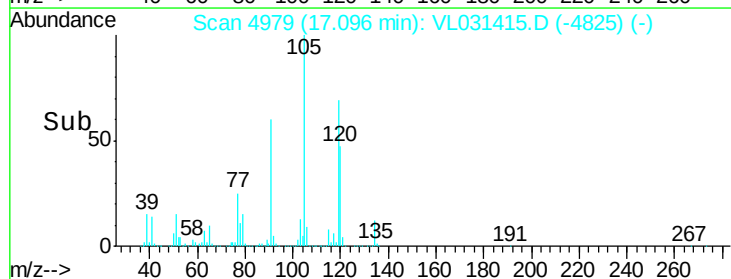
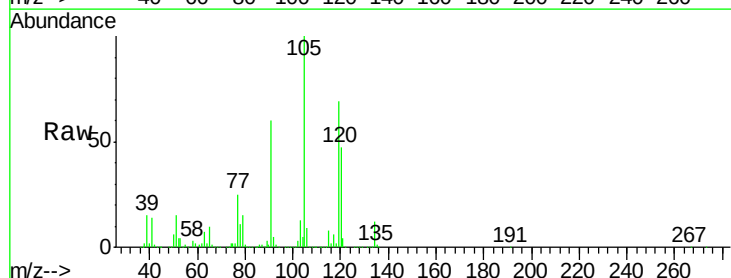
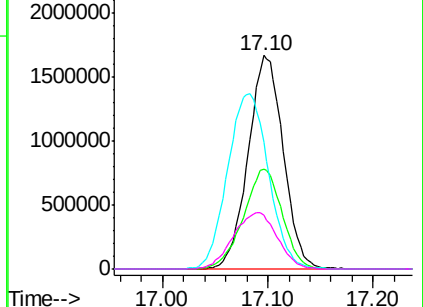
77 25.2 17.9 26.9

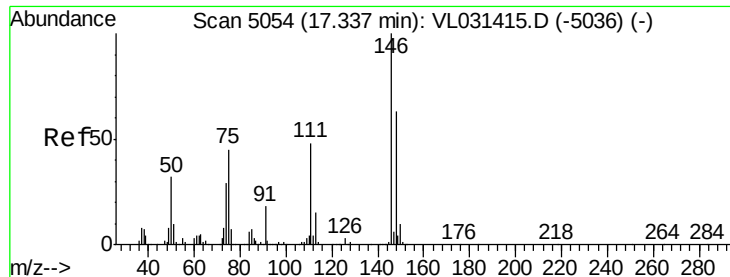
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.93 ppbv

RT: 17.34 min Scan# 5054

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:146 Resp: 2353687

Ion Ratio Lower Upper

146 100

111 48.2 24.2 72.6

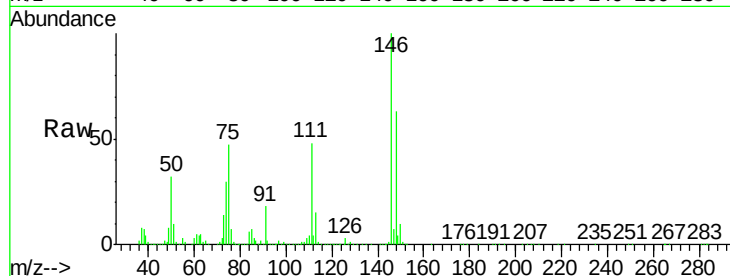
148 64.7 32.1 96.3

Manual Integrations

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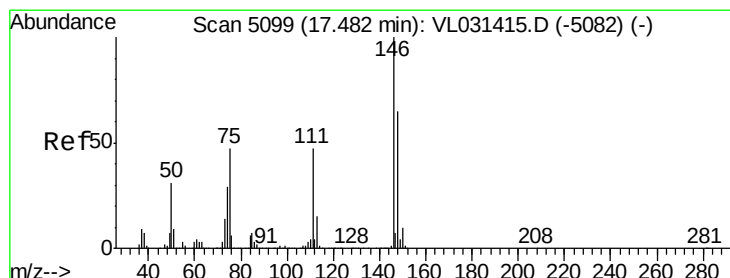
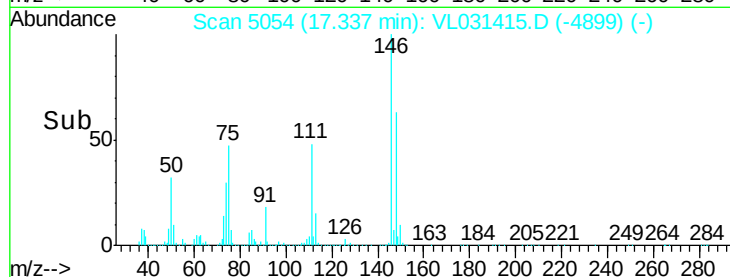
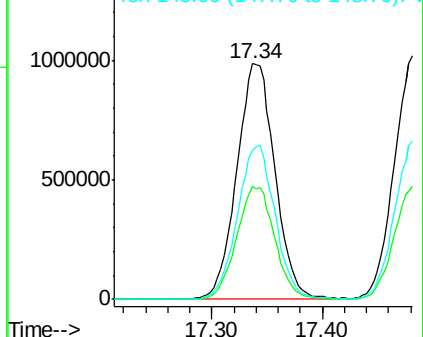
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.05 ppbv

RT: 17.48 min Scan# 5099

Delta R.T. -0.00 min

Lab File: VL031415.D

Acq: 22 Jan 2018 13:14

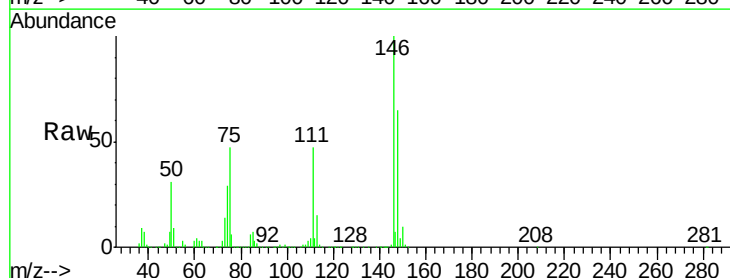
Tgt Ion:146 Resp: 2369816

Ion Ratio Lower Upper

146 100

111 46.4 23.3 69.9

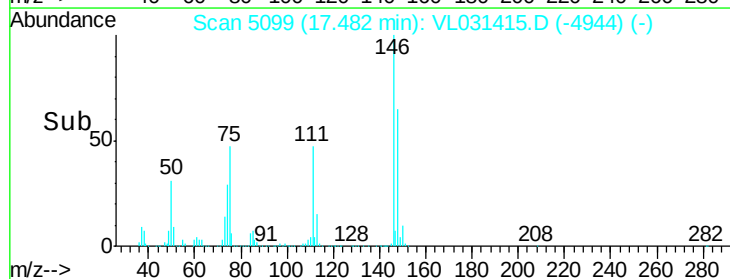
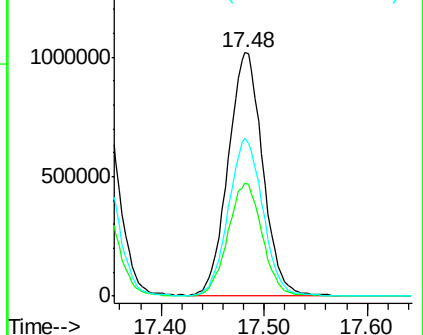
148 64.9 32.4 97.2

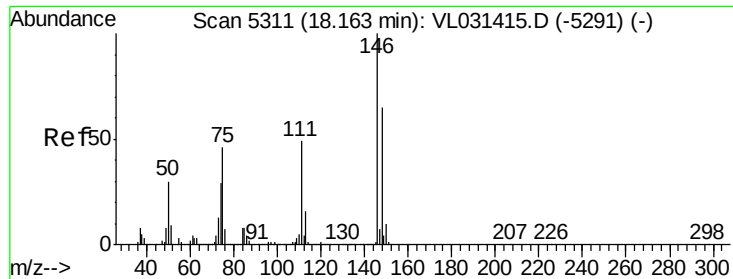


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





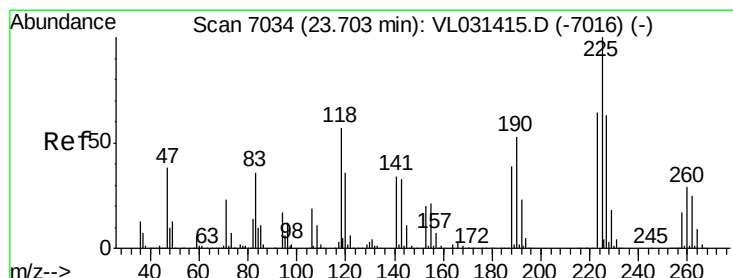
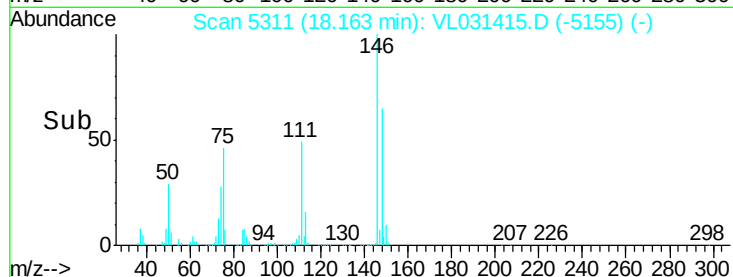
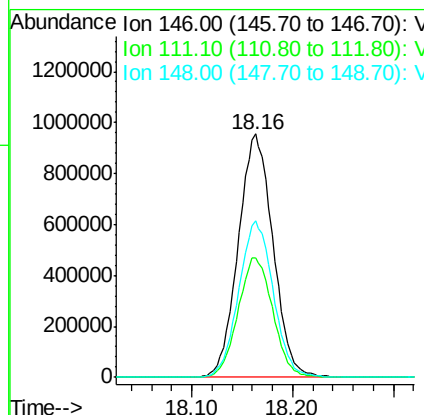
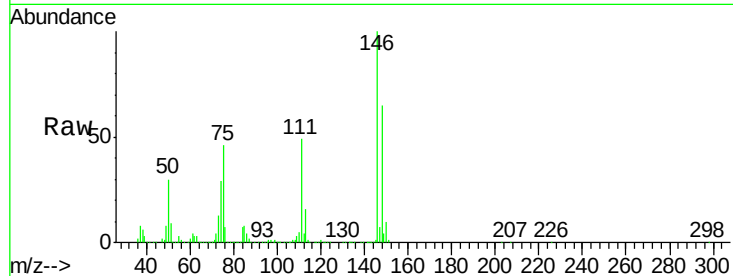
#77
 1,2-Dichlorobenzene
 Concen: 7.74 ppbv
 RT: 18.16 min Scan# 5311
 Delta R.T. 0.00 min
 Lab File: VL031415.D
 Acq: 22 Jan 2018 13:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 2272416
 Ion Ratio Lower Upper
 146 100
 111 49.6 24.6 74.0
 148 64.3 32.3 96.8

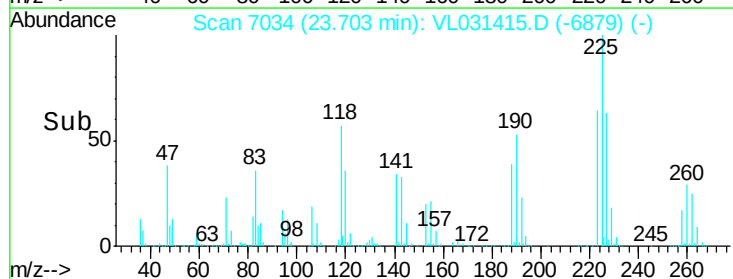
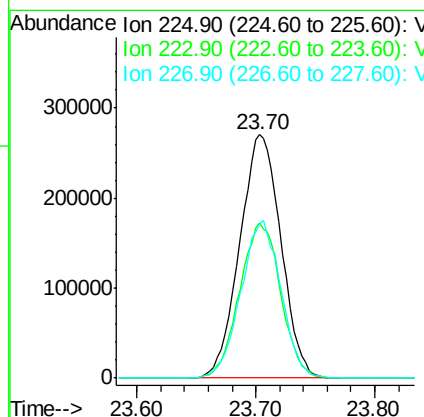
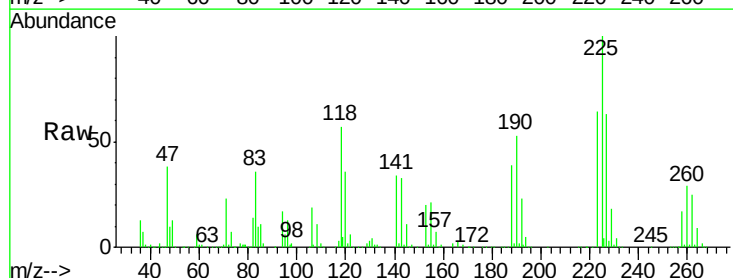
Manual Integrations
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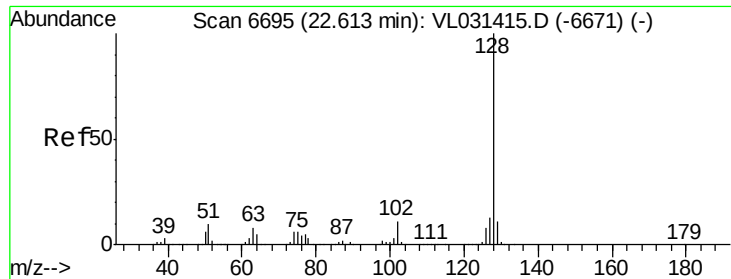
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#78
 Hexachloro-1,3-Butadiene
 Concen: 6.88 ppbv
 RT: 23.70 min Scan# 7034
 Delta R.T. -0.00 min
 Lab File: VL031415.D
 Acq: 22 Jan 2018 13:14

Tgt Ion:225 Resp: 648786
 Ion Ratio Lower Upper
 225 100
 223 63.4 51.3 76.9
 227 62.9 50.7 76.1





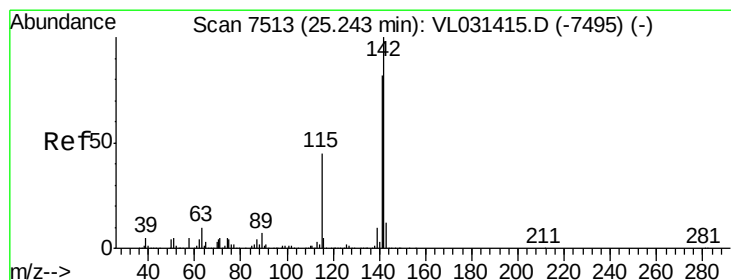
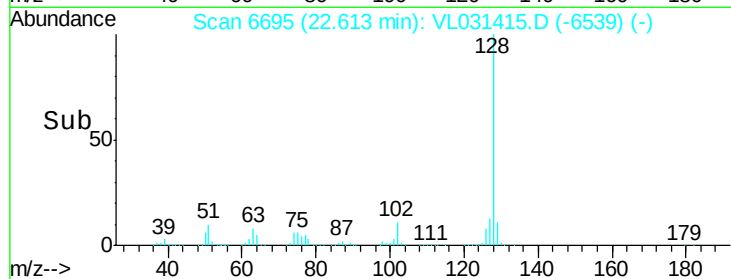
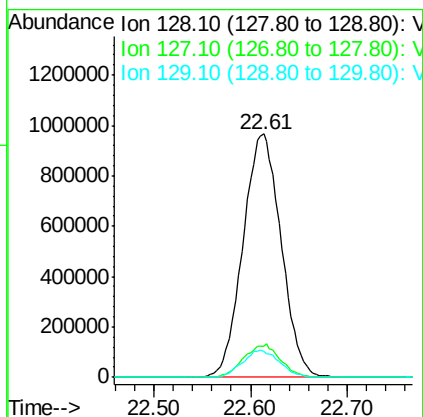
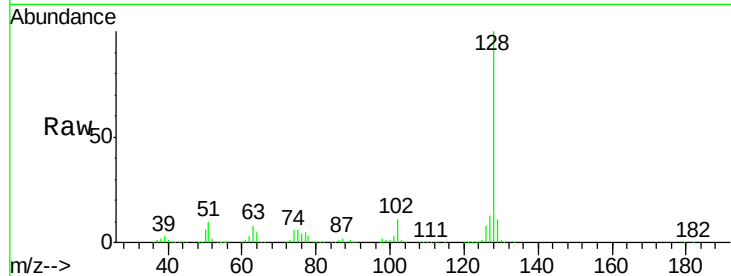
#79
Naphthalene
Concen: 11.75 ppbv
RT: 22.61 min Scan# 6695
Delta R.T. 0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.8	9.2	13.8

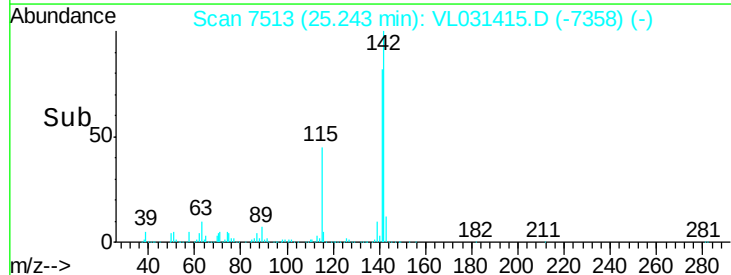
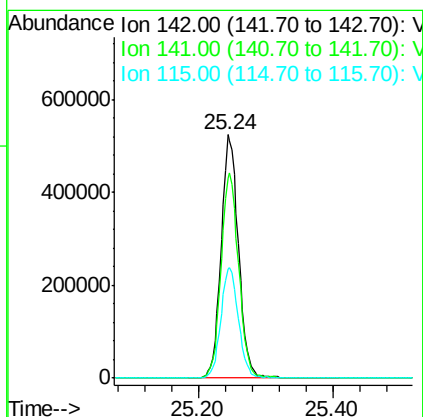
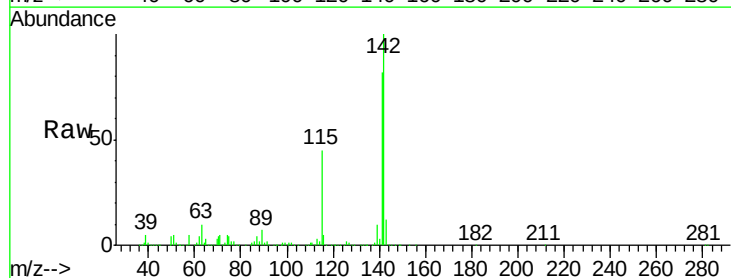
Manual Integrations
APPROVED

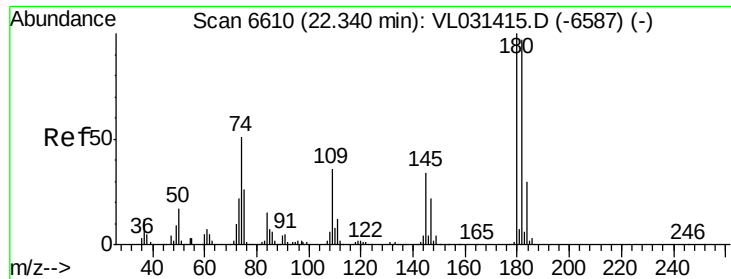
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1/24/2018 5:10:09 PM



#80
Naphthalene, 2-methyl-
Concen: 17.07 ppbv
RT: 25.24 min Scan# 7513
Delta R.T. -0.00 min
Lab File: VL031415.D
Acq: 22 Jan 2018 13:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.7	68.7	103.1
115	46.1	36.3	54.5





#81
 1,2,4-Trichlorobenzene
 Concen: 10.05 ppbv
 RT: 22.34 min Scan# 6610
 Delta R.T. 0.00 min
 Lab File: VL031415.D
 Acq: 22 Jan 2018 13:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
184	30.4	24.2	36.4

Manual Integrations
 APPROVED

MMDadoda
 1/24/2018 5:10:09 PM

