

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061318\
 Data File : VN049216.D
 Acq On : 13 Jun 2018 22:18
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
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 6/14/2018 5:07:32 PM

Quant Time: Jun 14 04:44:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 04:25:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	953252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1487702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1436177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	735070	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	2072097	135.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	271.02%	
35) Dibromofluoromethane	7.59	113	1717846	139.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.80%	
50) Toluene-d8	10.09	98	6897493	145.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.18%	
62) 4-Bromofluorobenzene	12.40	95	2494567	158.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	317.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1784711	127.32	ug/l	99
3) Chloromethane	2.06	50	1739836	121.15	ug/l	98
4) Vinyl Chloride	2.18	62	1851787	129.13	ug/l	100
5) Bromomethane	2.55	94	1054808	134.02	ug/l	96
6) Chloroethane	2.69	64	1180262	128.14	ug/l	100
7) Trichlorofluoromethane	3.01	101	2528323	128.94	ug/l	99
8) Diethyl Ether	3.41	74	1060292	154.98	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1752237	147.05	ug/l	98
10) Methyl Iodide	3.95	142	2170627	190.04	ug/l	94
11) Tert butyl alcohol	4.81	59	631086	733.83	ug/l	97
12) 1,1-Dichloroethene	3.73	96	1668338	152.21	ug/l	98
13) Acrolein	3.61	56	918169	1158.19	ug/l	99
14) Allyl chloride	4.32	41	3347628	159.88	ug/l	88
15) Acrylonitrile	4.99	53	3403679	735.77	ug/l	99
16) Acetone	3.82	43	2404111	669.78	ug/l	94
17) Carbon Disulfide	4.05	76	5518872	152.21	ug/l	100
18) Methyl Acetate	4.33	43	1604381	138.52	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	4826961	148.72	ug/l	99
20) Methylene Chloride	4.55	84	1920056	143.77	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	1812356	145.07	ug/l	98
22) Diisopropyl ether	5.96	45	6713983	150.82	ug/l	94
23) Vinyl Acetate	5.90	43	23203063	764.87	ug/l	100
24) 1,1-Dichloroethane	5.85	63	3618594	142.63	ug/l	99
25) 2-Butanone	6.84	43	3873289	711.44	ug/l	99
26) 2,2-Dichloropropane	6.82	77	2715795	135.26	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	2058011	147.19	ug/l	98
28) Bromochloromethane	7.20	49	1772578	160.33	ug/l	99
29) Tetrahydrofuran	7.22	42	2603310	745.58	ug/l	98
30) Chloroform	7.37	83	3448684	139.83	ug/l	100
31) Cyclohexane	7.65	56	3427492	146.57	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	2978311	141.40	ug/l	98
36) 1,1-Dichloropropene	7.79	75	2767470	148.70	ug/l	99
37) Ethyl Acetate	6.93	43	1749693	146.58	ug/l	99
38) Carbon Tetrachloride	7.77	117	2623357	143.57	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	3009434	154.74	ug/l	99
40) Benzene	8.04	78	8141284	146.00	ug/l	98
41) Methacrylonitrile	7.18	41	1101464	167.68	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	2584503	142.40	ug/l	99
43) Isopropyl Acetate	8.17	43	3280307	144.06	ug/l	98
44) Trichloroethene	8.84	130	1983011	145.22	ug/l	100
45) 1,2-Dichloropropane	9.12	63	2223185	145.58	ug/l	99
46) Dibromomethane	9.21	93	1205815	141.74	ug/l	98
47) Bromodichloromethane	9.40	83	2755204	145.96	ug/l	98
48) Methyl methacrylate	9.20	41	1673533	154.00	ug/l	92
49) 1,4-Dioxane	9.20	88	366247	3001.84	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	9100062	756.54	ug/l	98
52) Toluene	10.16	92	4937555	147.70	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	2963017	157.42	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	3341948	152.88	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	1725651	144.84	ug/l	99
56) Ethyl methacrylate	10.43	69	2502278	161.70	ug/l #	93
57) 1,3-Dichloropropane	10.71	76	3077886	148.35	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	4329070	846.21	ug/l	99
59) 2-Hexanone	10.76	43	5891231	760.98	ug/l	97
60) Dibromochloromethane	10.90	129	2008611	151.04	ug/l	98
61) 1,2-Dibromoethane	11.01	107	1658084	148.72	ug/l	99
64) Tetrachloroethene	10.63	164	1844283	132.80	ug/l	99
65) Chlorobenzene	11.44	112	5299974	143.43	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	1943312	140.88	ug/l	99
67) Ethyl Benzene	11.51	91	9796522	149.02	ug/l	100
68) m/p-Xylenes	11.62	106	7306138	298.99	ug/l	99
69) o-Xylene	11.95	106	3555246	151.38	ug/l	99
70) Styrene	11.97	104	5914471	156.69	ug/l	99
71) Bromoform	12.13	173	1321886	146.55	ug/l #	100
73) Isopropylbenzene	12.25	105	9496006	139.34	ug/l	100
74) N-amyl acetate	12.07	43	2979716	147.19	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	2080634	125.07	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	1767741m	124.91	ug/l	
77) Bromobenzene	12.53	156	2219806	138.67	ug/l	99
78) n-propylbenzene	12.59	91	11324954	145.49	ug/l	99
79) 2-Chlorotoluene	12.68	91	6679124	141.35	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	7775289	142.80	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	624726	140.76	ug/l	91
82) 4-Chlorotoluene	12.78	91	6754197	145.13	ug/l	99
83) tert-Butylbenzene	13.00	119	6488267	141.44	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	7906546	143.78	ug/l	100
85) sec-Butylbenzene	13.17	105	9073591	145.20	ug/l	99
86) p-Isopropyltoluene	13.29	119	7708091	148.36	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	3964904	143.85	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	3856788	144.44	ug/l	100
89) n-Butylbenzene	13.62	91	6800408	161.84	ug/l	99
90) Hexachloroethane	13.88	117	1489856	134.04	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	3708003	140.00	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	327823	136.47	ug/l	97

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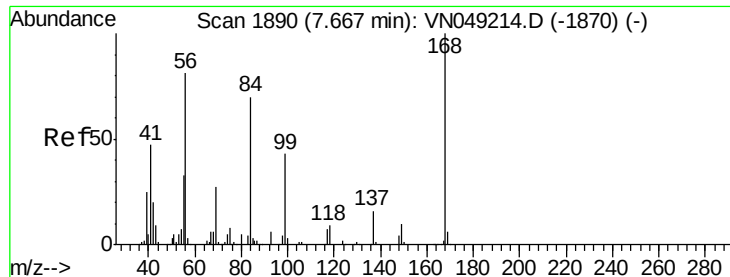
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1919570	183.09	ug/l	98
94) Hexachlorobutadiene	15.01	225	1030914	128.95	ug/l	99
95) Naphthalene	15.14	128	4308049	187.41	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	1874079	175.48	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 953252

Ion Ratio Lower Upper

168 100

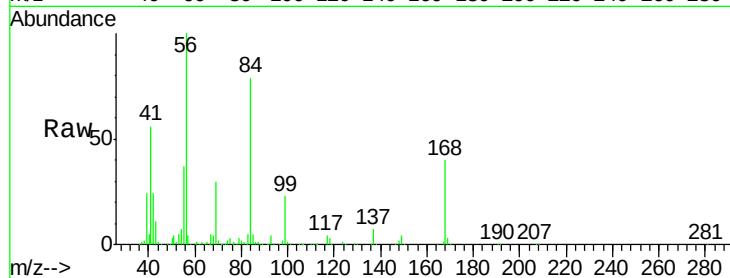
99 55.8 45.8 68.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

800000

600000

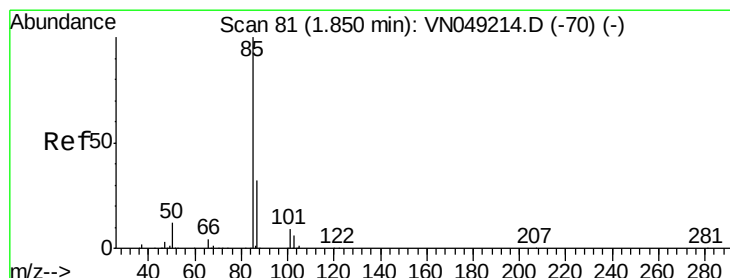
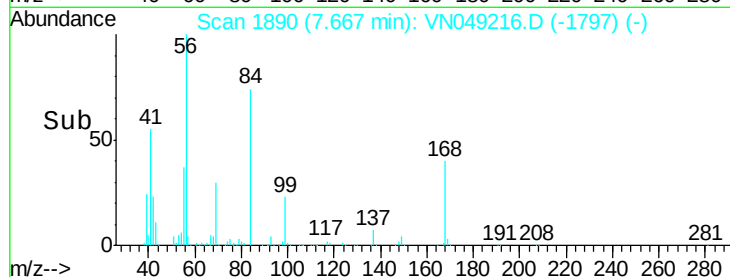
400000

200000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 127.32 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049216.D

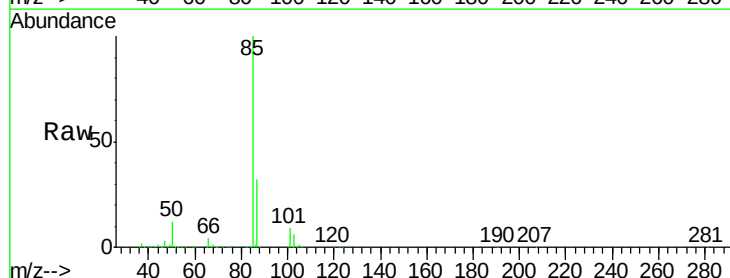
Acq: 13 Jun 2018 22:18

Tgt Ion: 85 Resp: 1784711

Ion Ratio Lower Upper

85 100

87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1500000

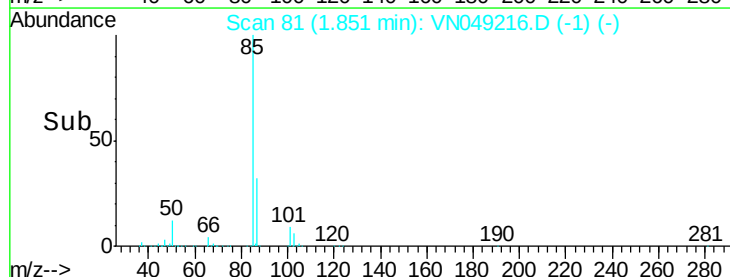
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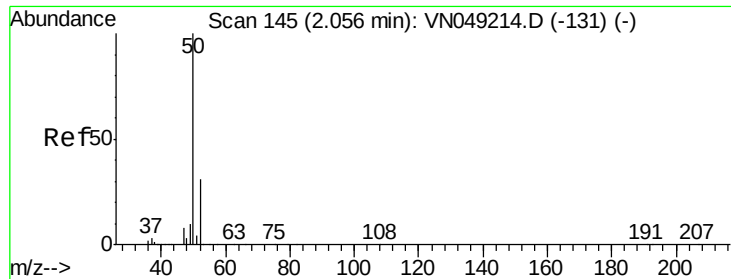
500000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 121.15 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 50 Resp: 1739836

Ion Ratio Lower Upper

50 100

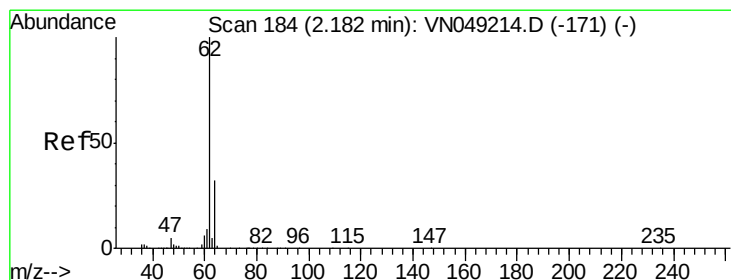
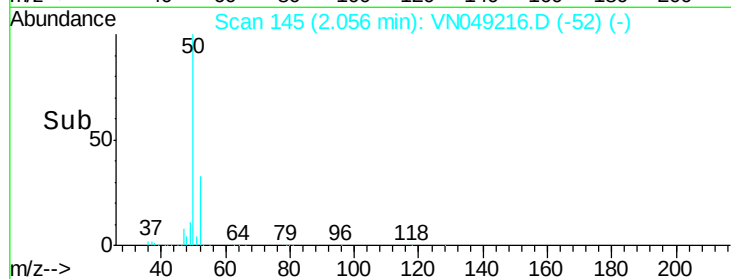
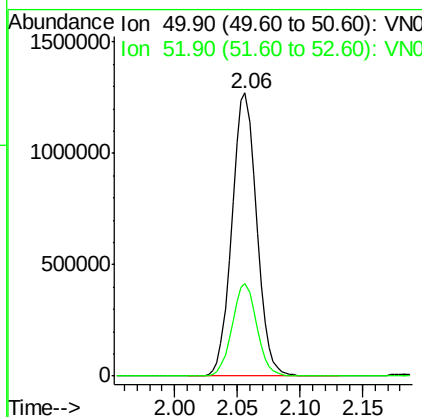
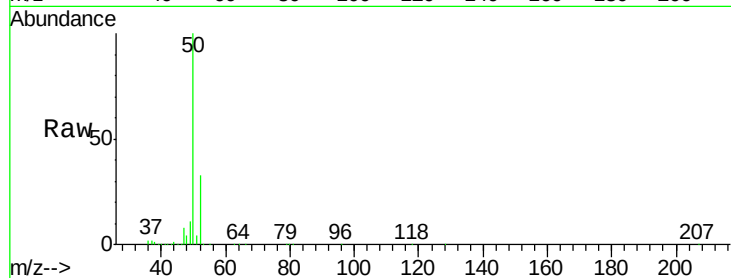
52 32.7 25.2 37.8

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#4

Vinyl Chloride

Concen: 129.13 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049216.D

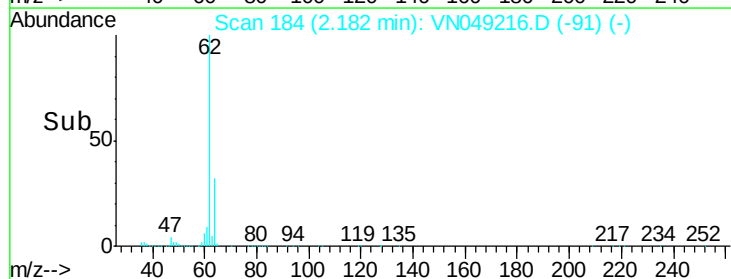
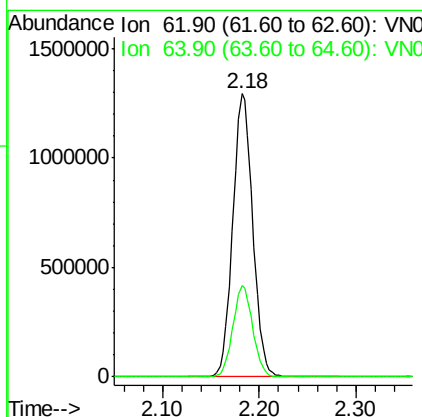
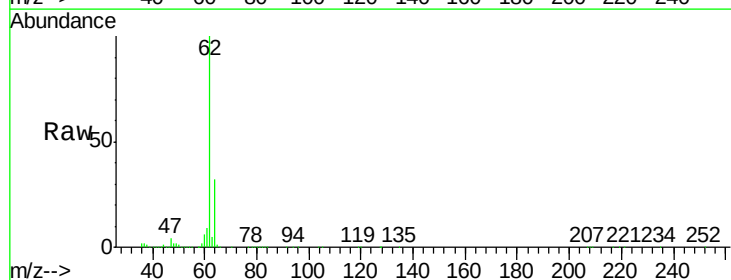
Acq: 13 Jun 2018 22:18

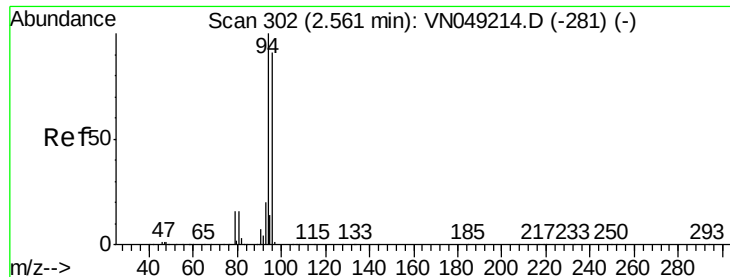
Tgt Ion: 62 Resp: 1851787

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 134.02 ug/l

RT: 2.55 min Scan# 297

Delta R.T. -0.02 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 1054808

Ion Ratio Lower Upper

94 100

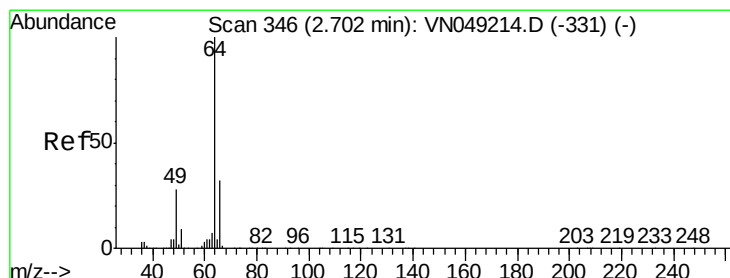
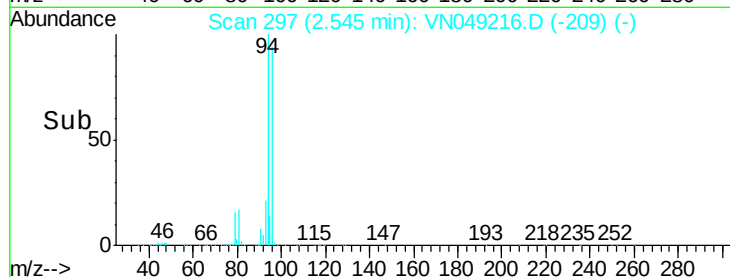
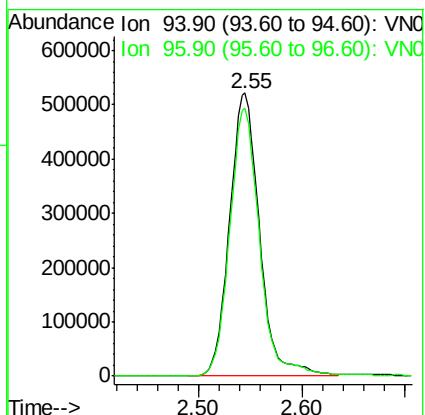
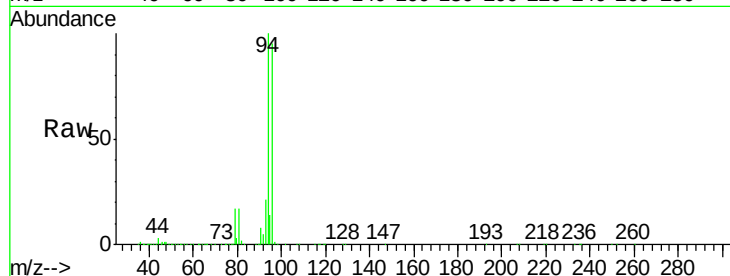
96 94.5 72.8 109.2

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#6

Chloroethane

Concen: 128.14 ug/l

RT: 2.69 min Scan# 343

Delta R.T. -0.01 min

Lab File: VN049216.D

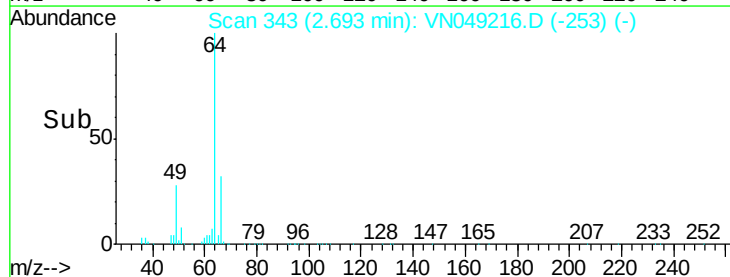
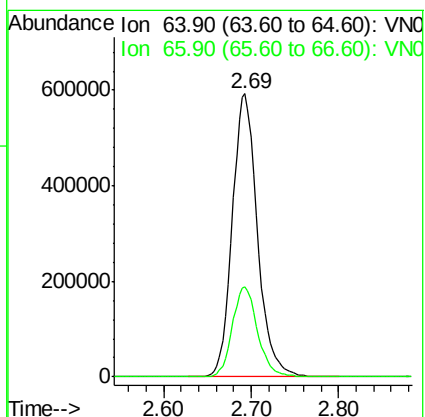
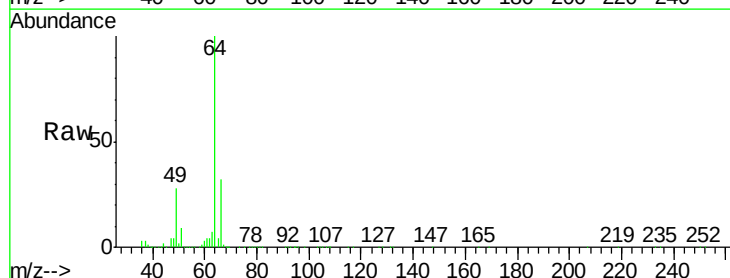
Acq: 13 Jun 2018 22:18

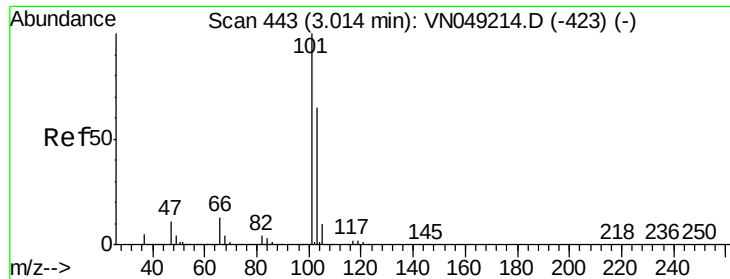
Tgt Ion: 64 Resp: 1180262

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4





#7

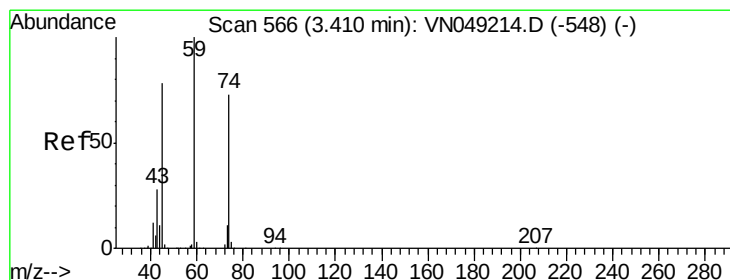
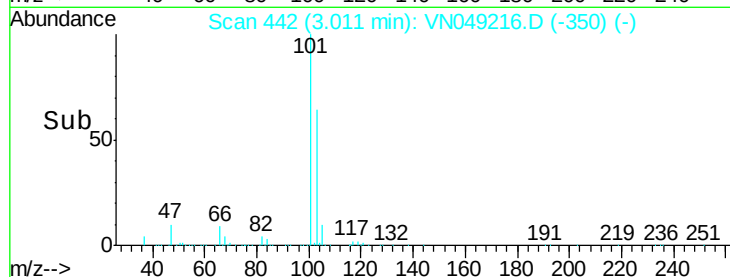
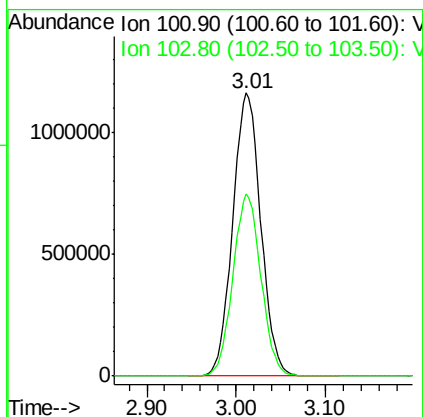
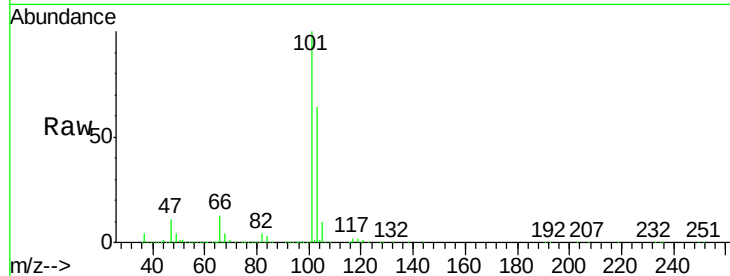
Trichlorofluoromethane
Concen: 128.94 ug/l
RT: 3.01 min Scan# 442
Delta R.T. -0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 2528323
Ion Ratio Lower Upper
101 100
103 64.2 51.7 77.5

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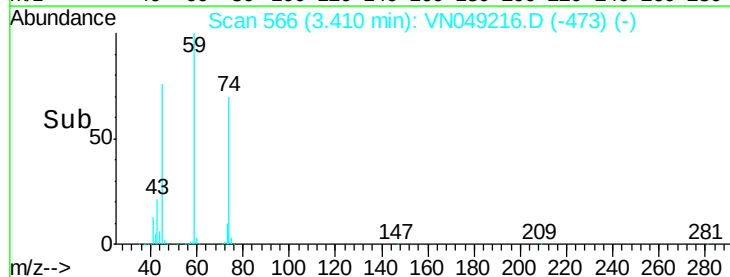
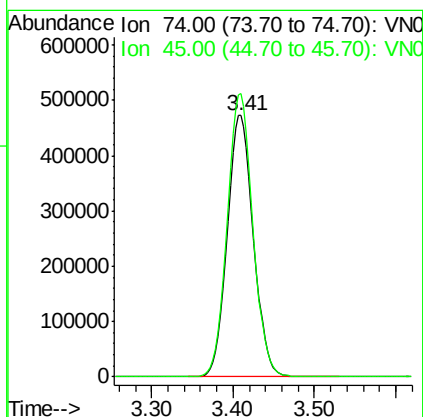
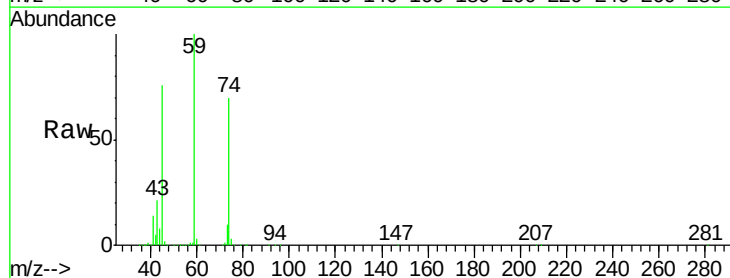
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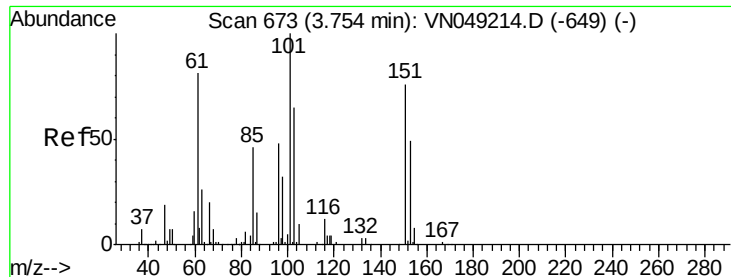


#8

Diethyl Ether
Concen: 154.98 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion: 74 Resp: 1060292
Ion Ratio Lower Upper
74 100
45 106.4 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 147.05 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1752237

Ion Ratio Lower Upper

101 100

85 43.9 37.6 56.4

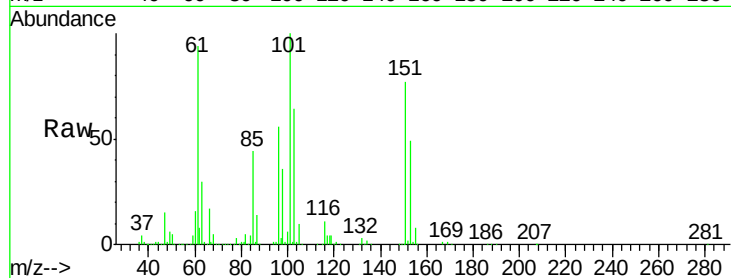
151 76.5 61.1 91.7

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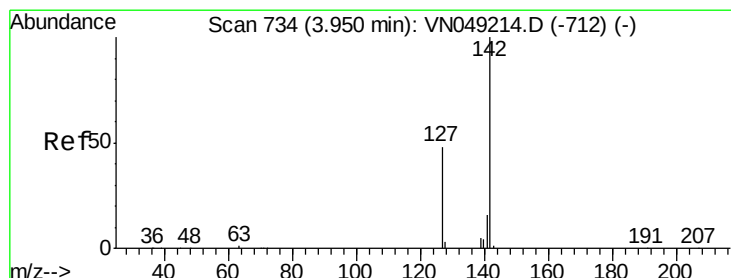
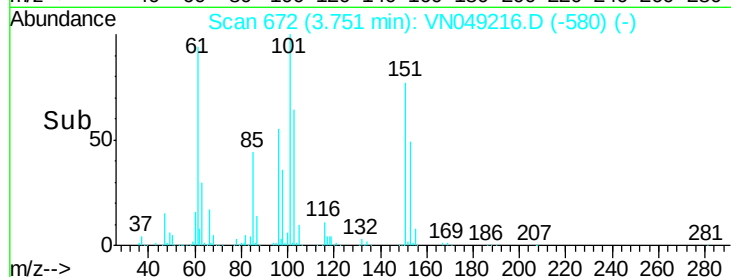
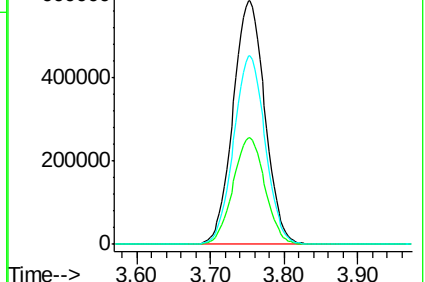
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 190.04 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

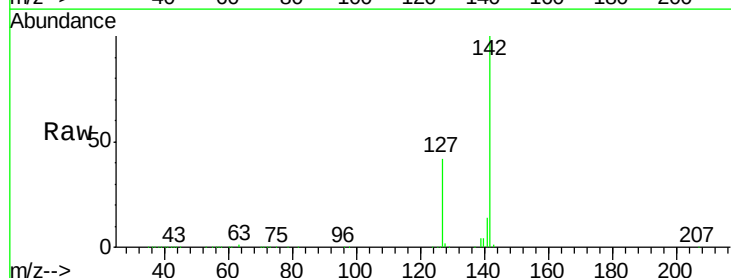
Tgt Ion:142 Resp: 2170627

Ion Ratio Lower Upper

142 100

127 43.0 38.2 57.4

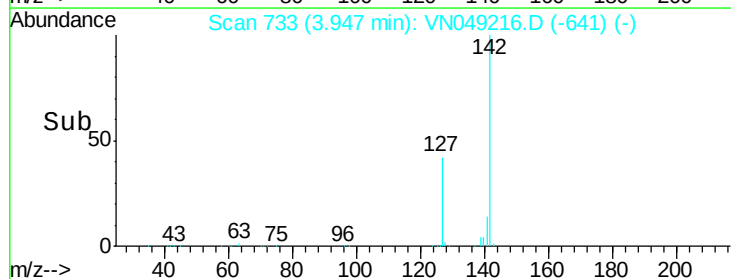
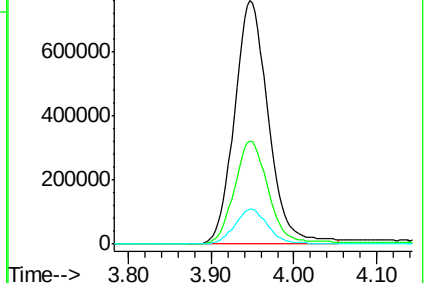
141 14.2 11.9 17.9

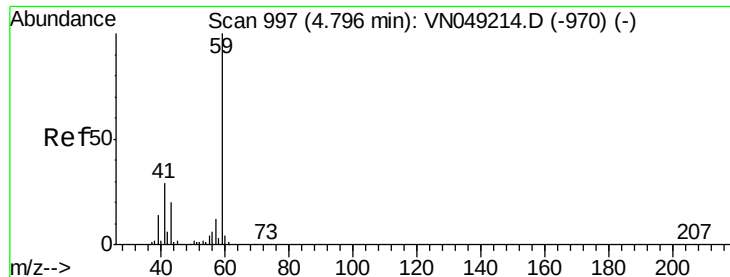


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





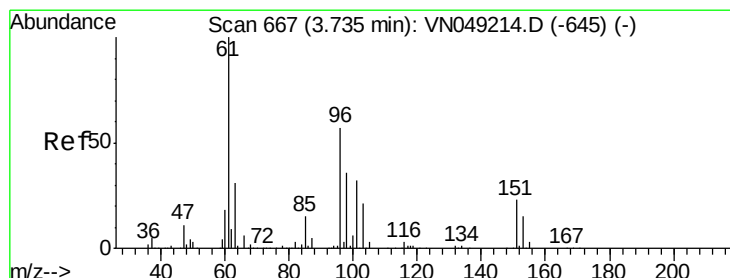
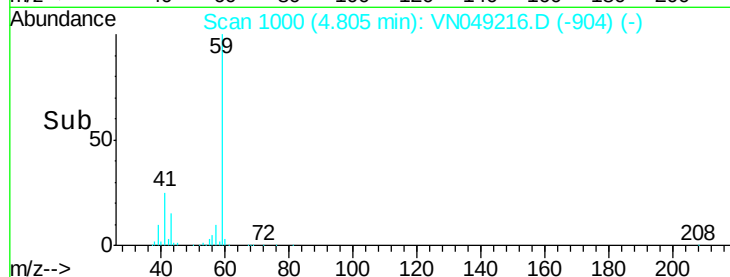
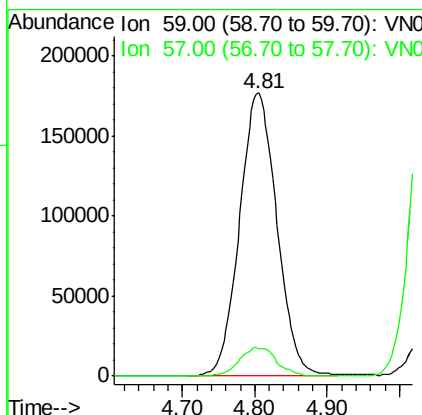
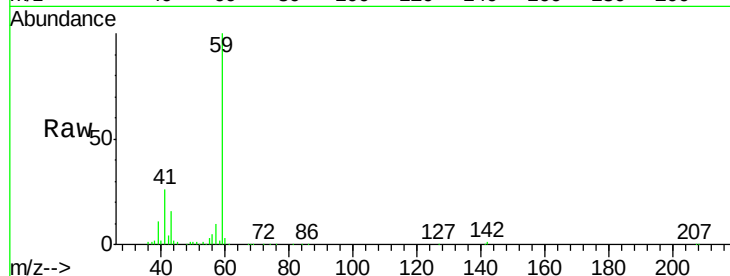
#11
Tert butyl alcohol
Concen: 733.83 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 59 Resp: 631086
Ion Ratio Lower Upper
59 100
57 10.3 9.0 13.6

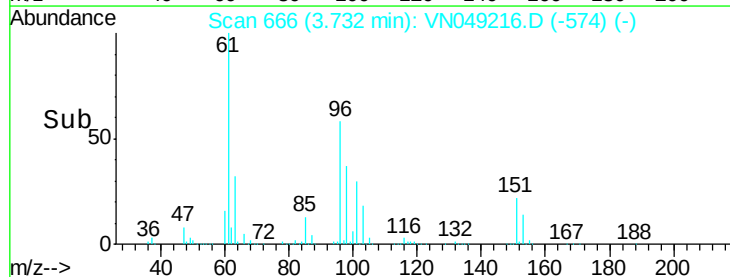
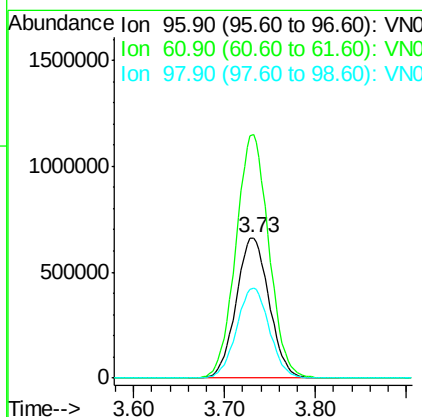
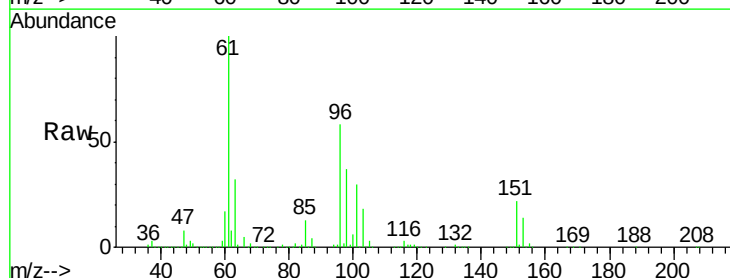
Manual Integrations
APPROVED

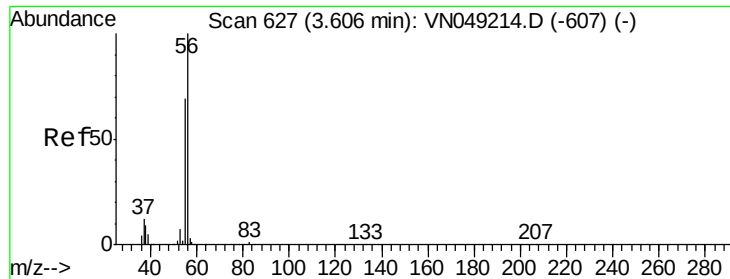
apatel
6/14/2018 5:07:32 PM



#12
1,1-Dichloroethene
Concen: 152.21 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion: 96 Resp: 1668338
Ion Ratio Lower Upper
96 100
61 173.8 141.0 211.4
98 64.5 50.4 75.6





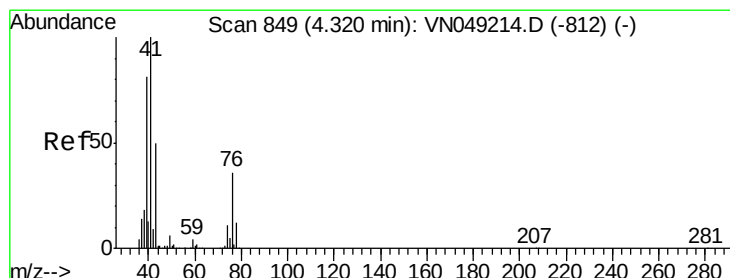
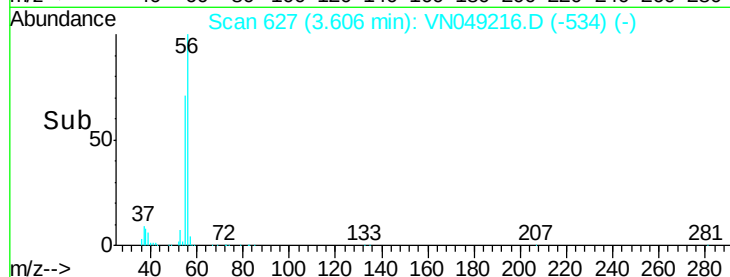
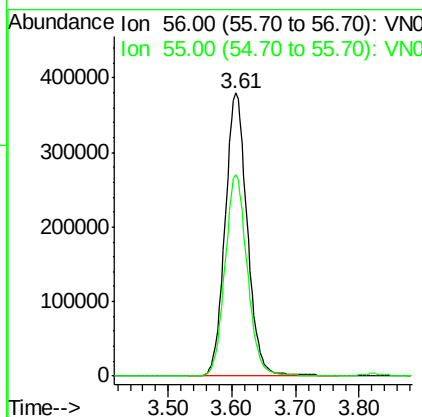
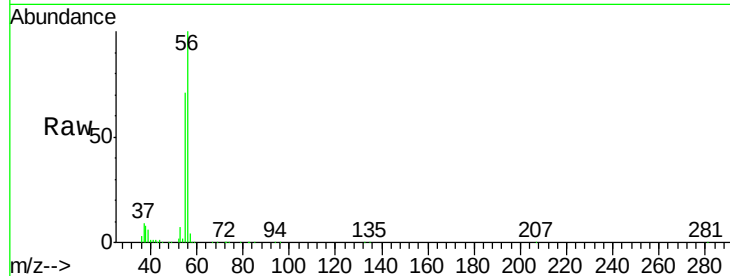
#13
Acrolein
Concen: 1158.19 ug/l
RT: 3.61 min Scan# 627
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	56	Resp	918169
Ion Ratio	100	Lower	Upper
55	70.9	57.1	85.7

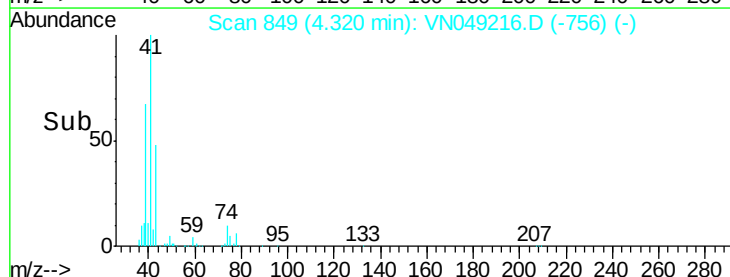
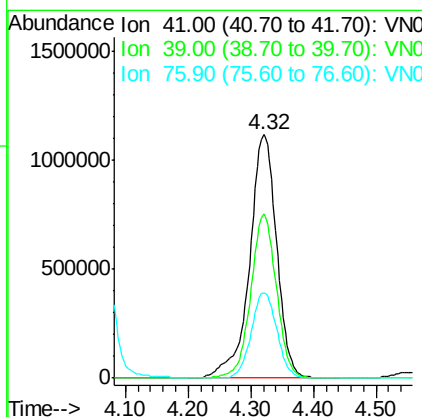
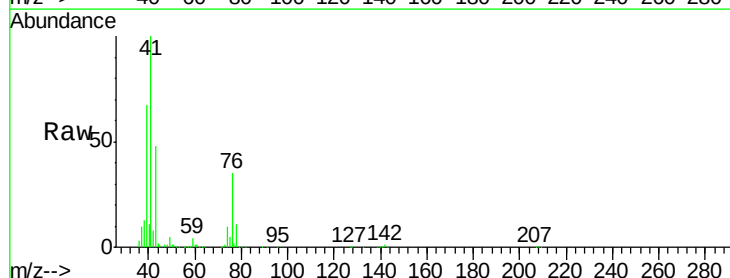
Manual Integrations
APPROVED

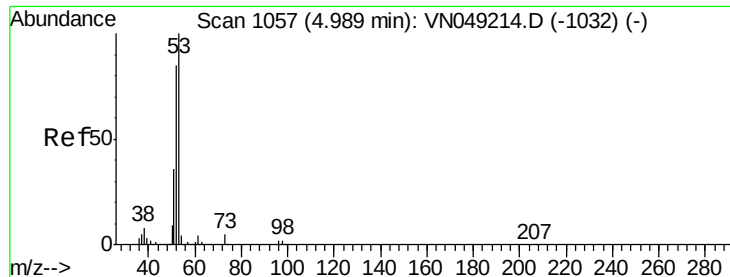
apatel
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#14
Allyl chloride
Concen: 159.88 ug/l
RT: 4.32 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion	41	Resp	3347628
Ion Ratio	100	Lower	Upper
39	63.7	62.5	93.7
76	33.0	27.1	40.7





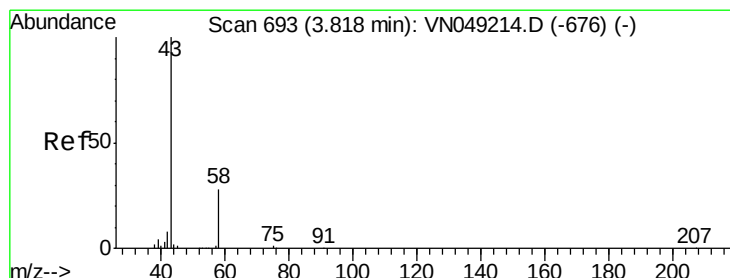
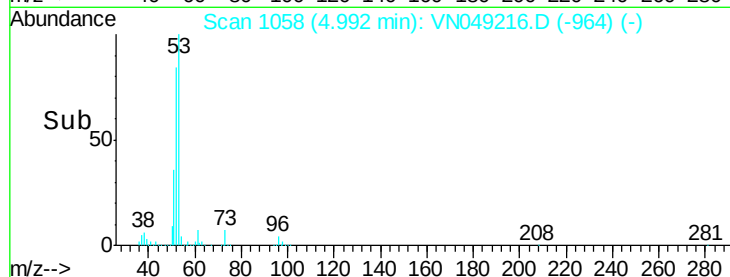
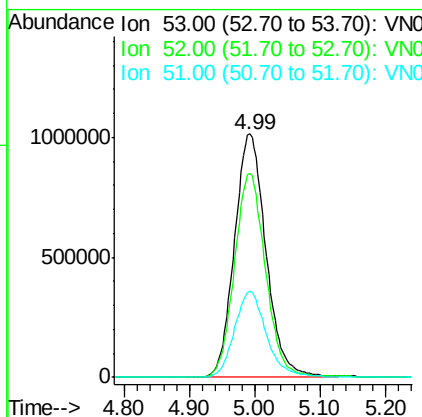
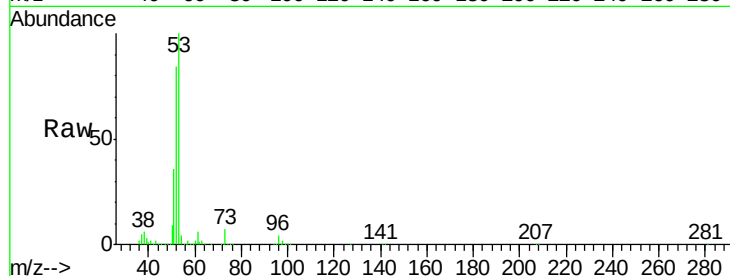
#15
 Acrylonitrile
 Concen: 735.77 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.6	100.0
51	35.9	29.8	44.8

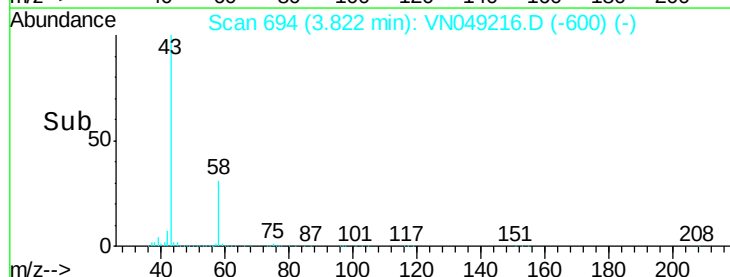
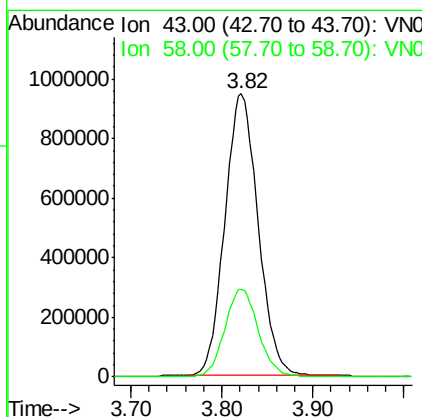
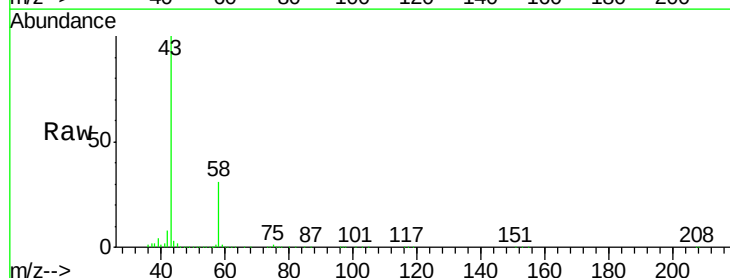
Manual Integrations
 APPROVED

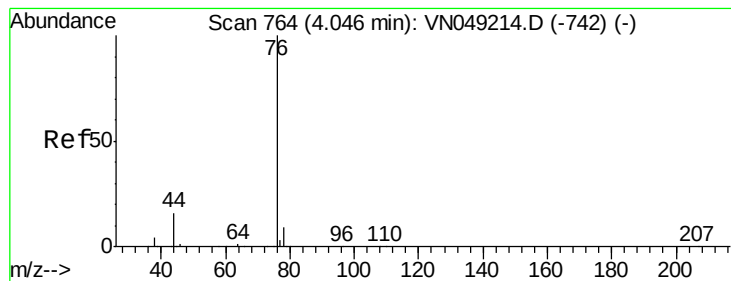
apatel
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#16
 Acetone
 Concen: 669.78 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.1	22.4	33.6





#17

Carbon Disulfide

Concen: 152.21 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 76 Resp: 5518872

Ion Ratio Lower Upper

76 100

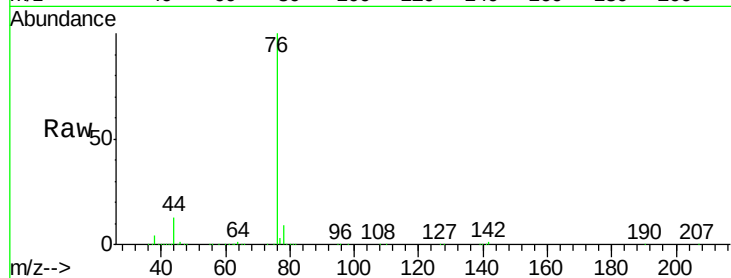
78 9.1 7.4 11.0

Manual Integrations

APPROVED

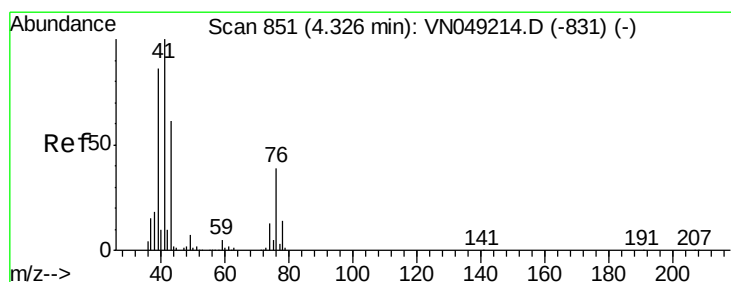
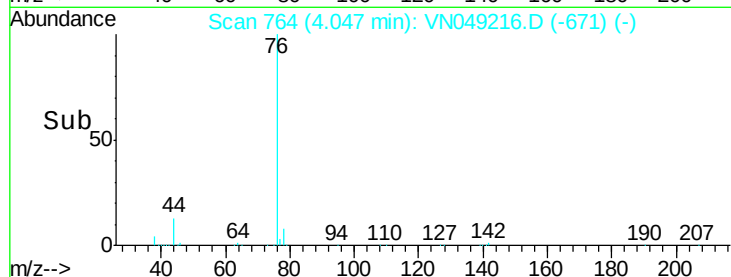
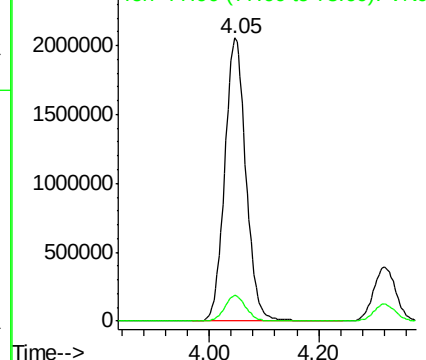
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 138.52 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049216.D

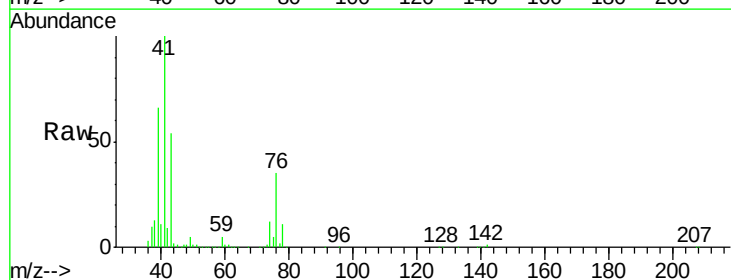
Acq: 13 Jun 2018 22:18

Tgt Ion: 43 Resp: 1604381

Ion Ratio Lower Upper

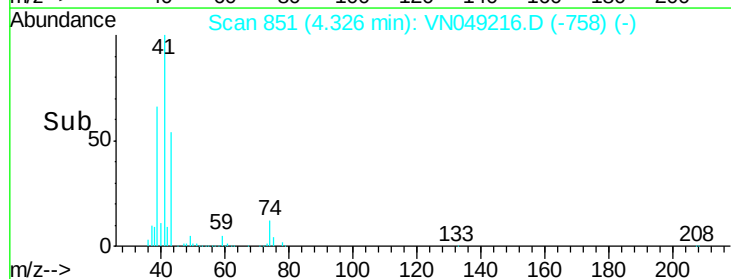
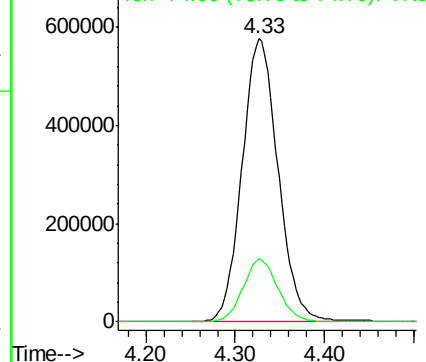
43 100

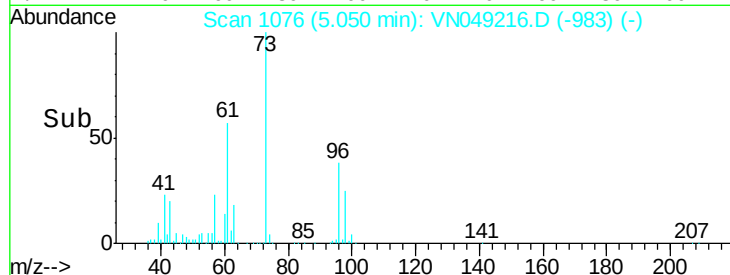
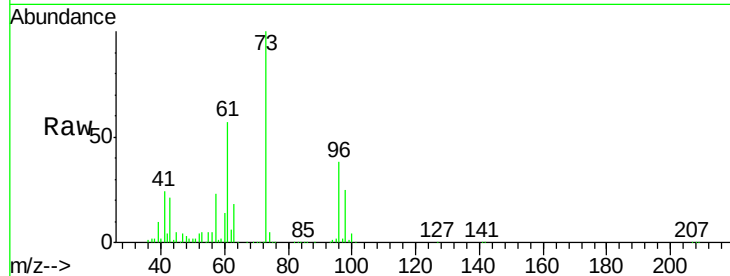
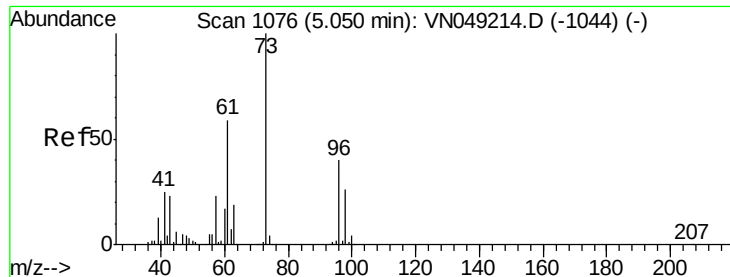
74 21.8 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





#19

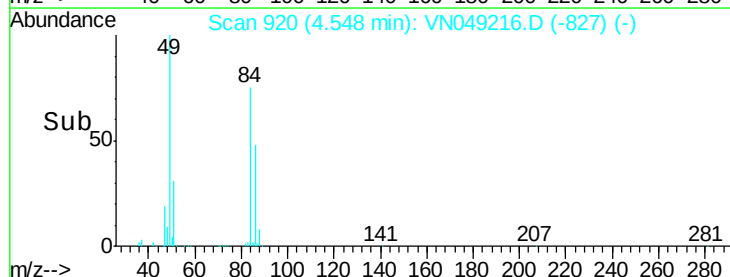
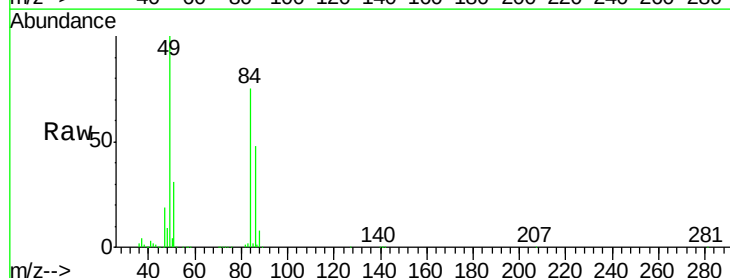
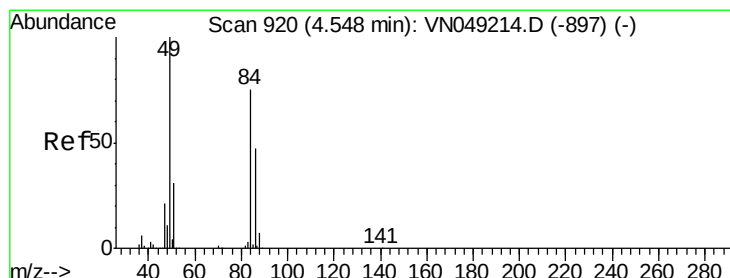
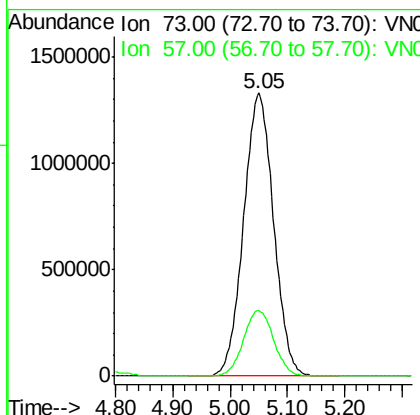
Methyl tert-butyl Ether
Concen: 148.72 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tot Ion: 73 Resp: 4826961
Ion Ratio Lower Upper
73 100
57 23.1 18.2 27.4

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Manual Integrations
APPROVED

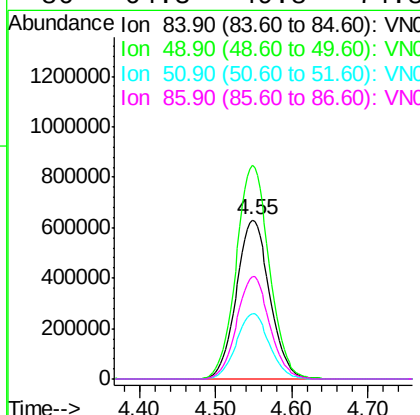
apatel
6/14/2018 5:07:32 PM

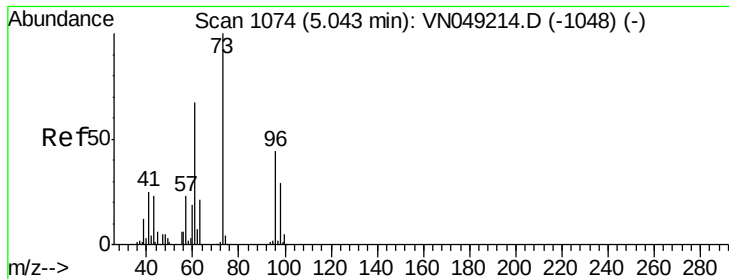


#20

Methylene Chloride
Concen: 143.77 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion: 84 Resp: 1920056
Ion Ratio Lower Upper
84 100
49 134.0 106.9 160.3
51 41.3 32.7 49.1
86 64.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 145.07 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1812356

Ion Ratio Lower Upper

96 100

61 149.5 121.3 181.9

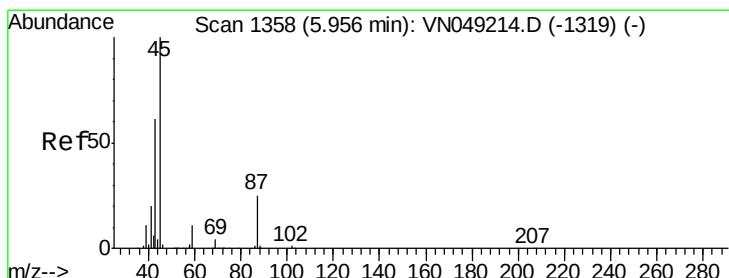
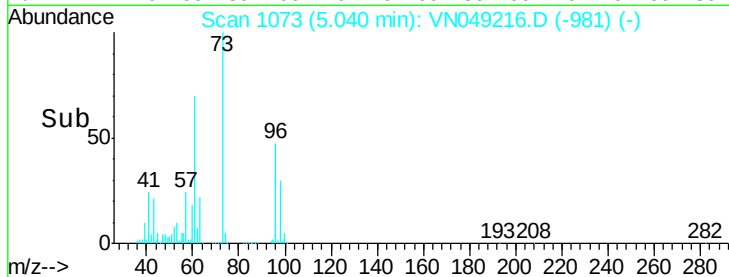
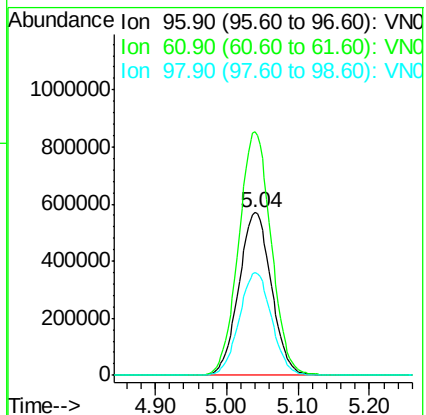
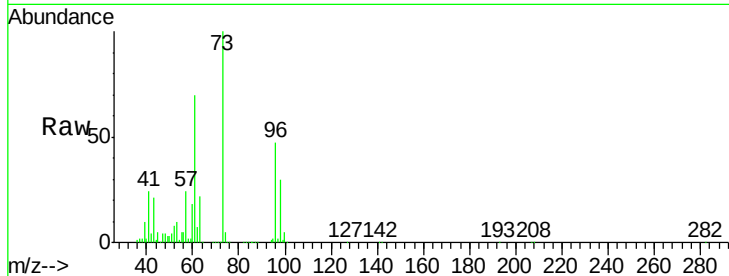
98 63.3 52.0 78.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 150.82 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Tgt Ion: 45 Resp: 6713983

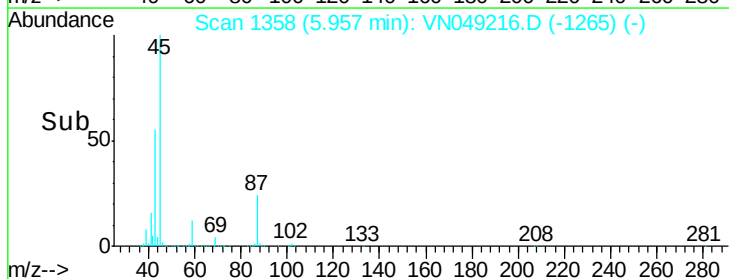
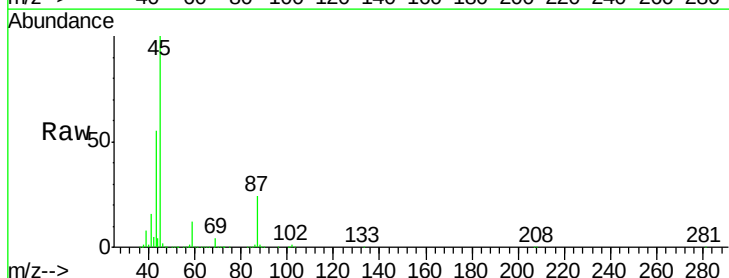
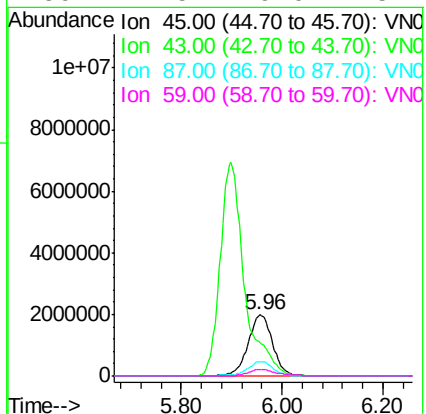
Ion Ratio Lower Upper

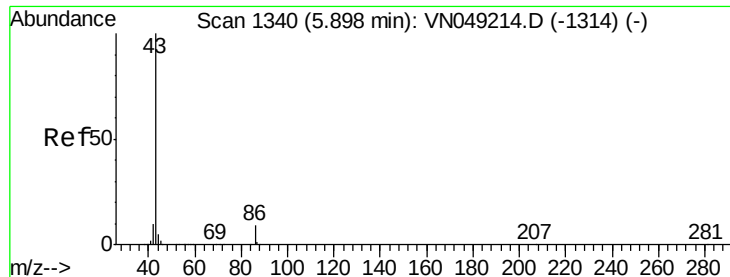
45 100

43 54.6 48.6 72.8

87 24.1 20.2 30.2

59 11.5 9.0 13.4





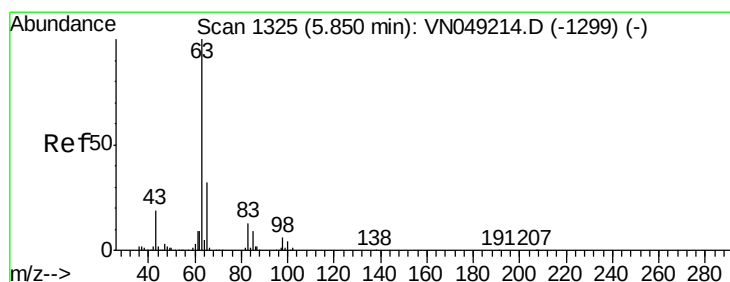
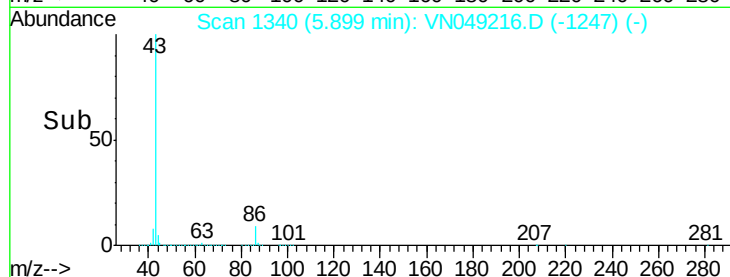
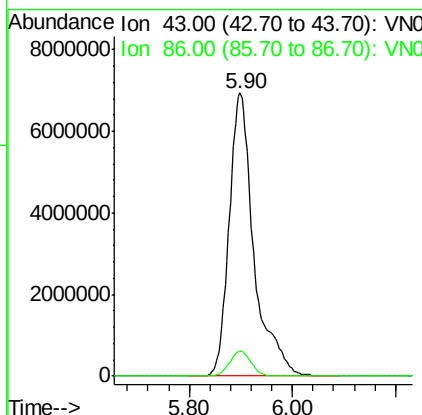
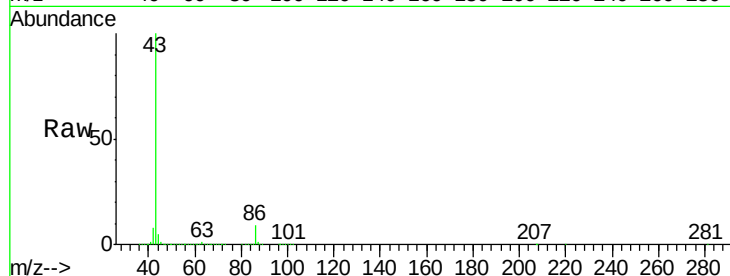
#23
 Vinyl Acetate
 Concen: 764.87 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 23203063
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.2 10.8

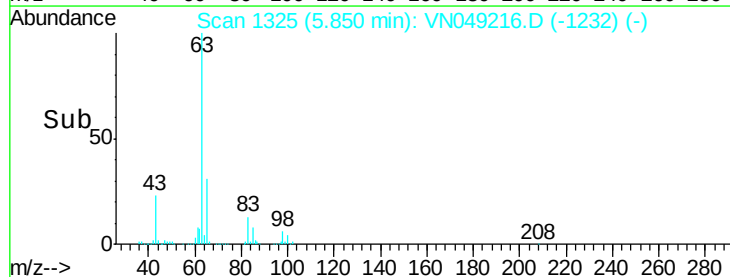
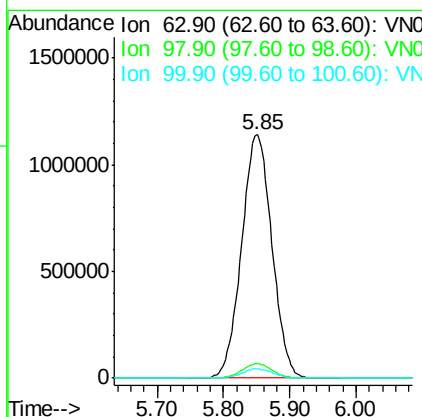
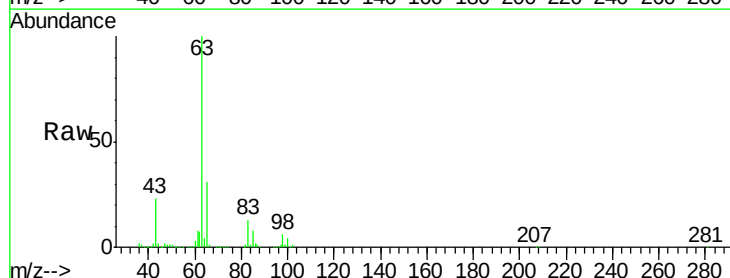
Manual Integrations
 APPROVED

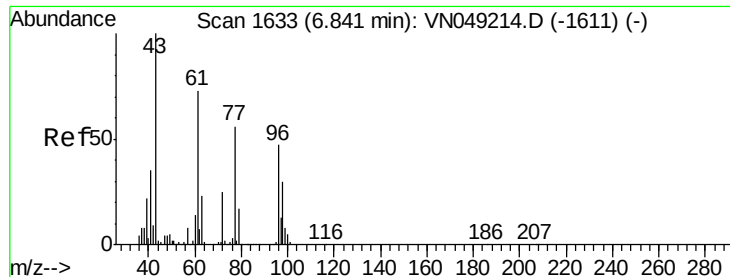
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#24
 1,1-Dichloroethane
 Concen: 142.63 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Tgt Ion: 63 Resp: 3618594
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.8
 100 3.8 2.1 6.3





#25

2-Butanone

Concen: 711.44 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3873289

Ion Ratio Lower Upper

43 100

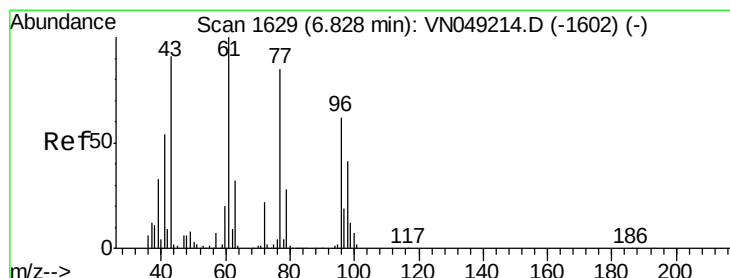
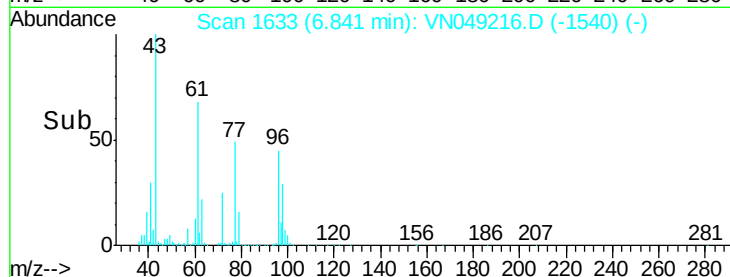
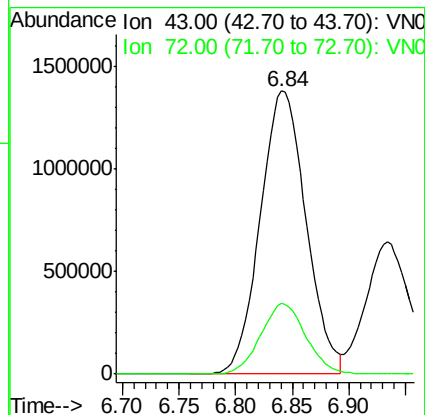
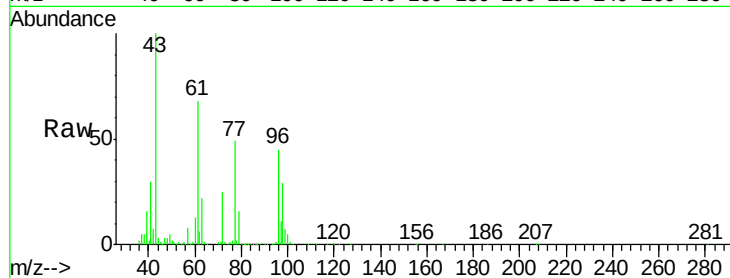
72 24.9 20.2 30.2

Manual Integrations

APPROVED

apatel

6/14/2018 5:07:32 PM



#26

2,2-Dichloropropane

Concen: 135.26 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN049216.D

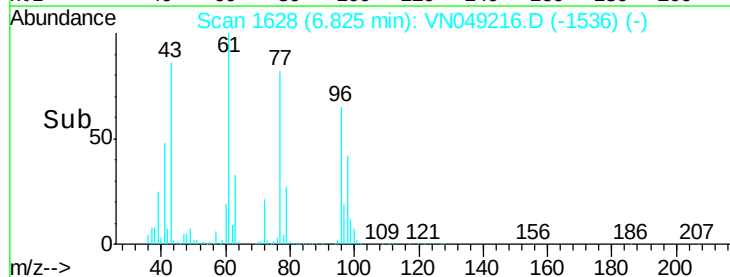
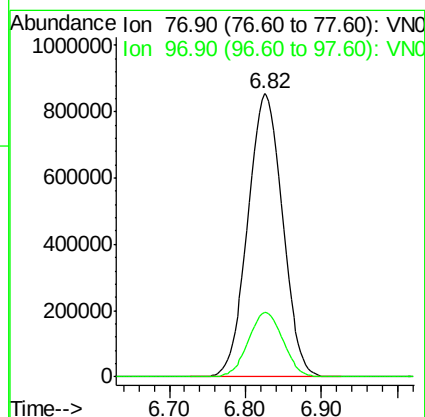
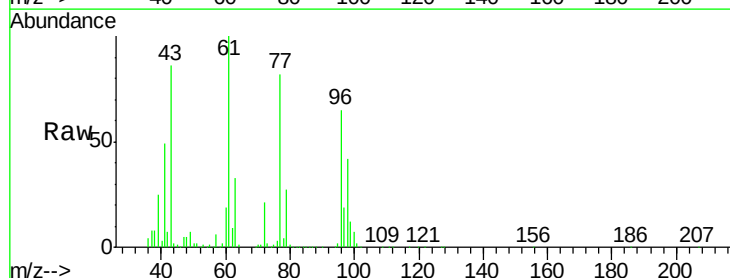
Acq: 13 Jun 2018 22:18

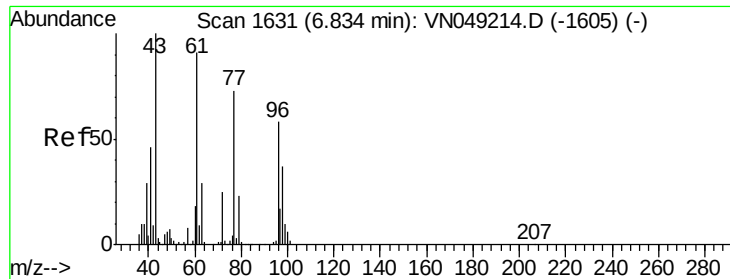
Tgt Ion: 77 Resp: 2715795

Ion Ratio Lower Upper

77 100

97 22.8 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 147.19 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 2058011

Ion Ratio Lower Upper

96 100

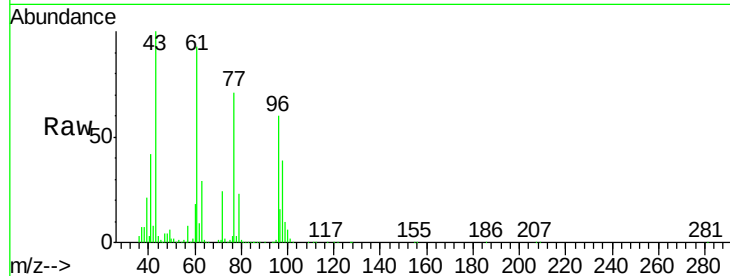
61 154.7 0.0 316.4

98 64.6 0.0 128.4

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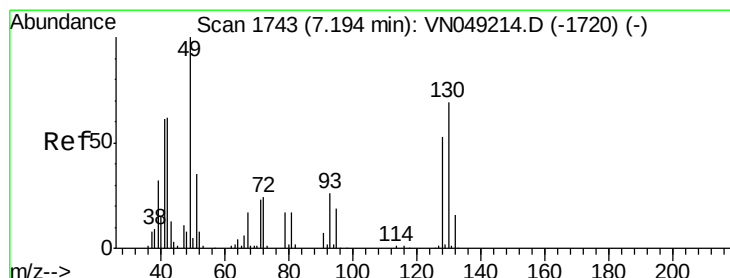
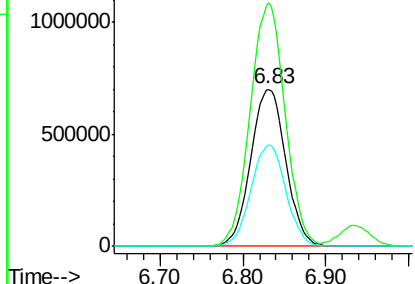
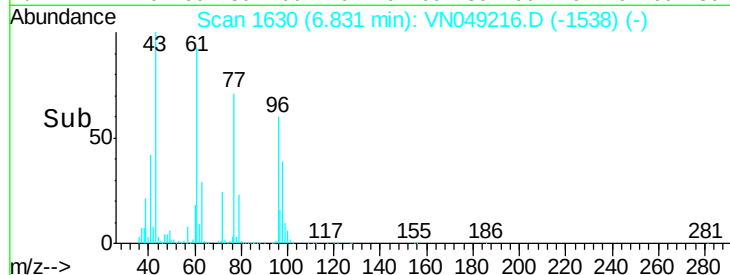
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Abundance Ion 95.90 (95.60 to 96.60): VN049216.D (-1538) (-)

Ion 60.90 (60.60 to 61.60): VN049216.D (-1538) (-)

Ion 97.90 (97.60 to 98.60): VN049216.D (-1538) (-)



#28

Bromochloromethane

Concen: 160.33 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

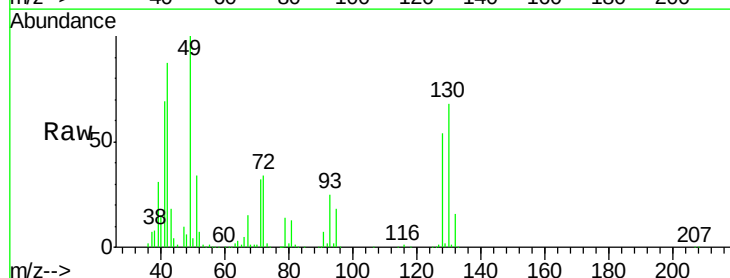
Tgt Ion: 49 Resp: 1772578

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

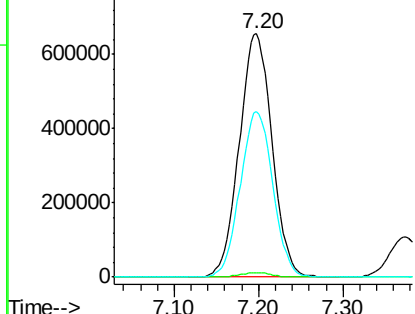
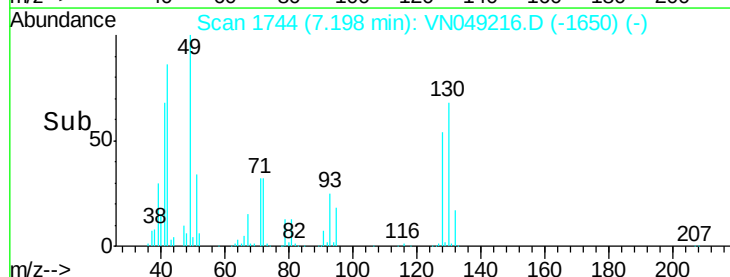
130 67.8 54.9 82.3

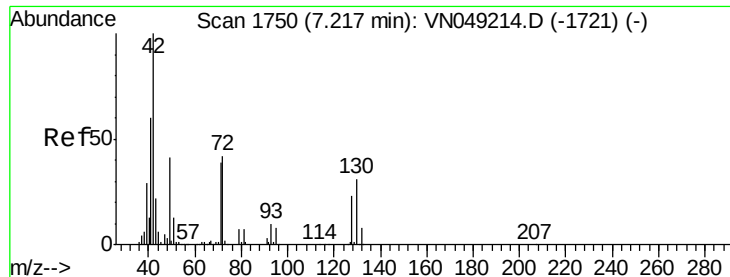


Abundance Ion 48.90 (48.60 to 49.60): VN049216.D (-1650) (-)

Ion 128.80 (128.50 to 129.50): VN049216.D (-1650) (-)

Ion 129.80 (129.50 to 130.50): VN049216.D (-1650) (-)





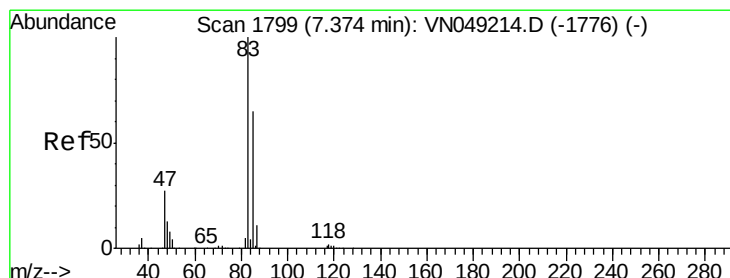
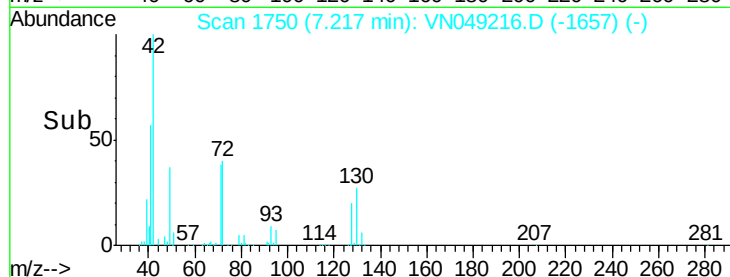
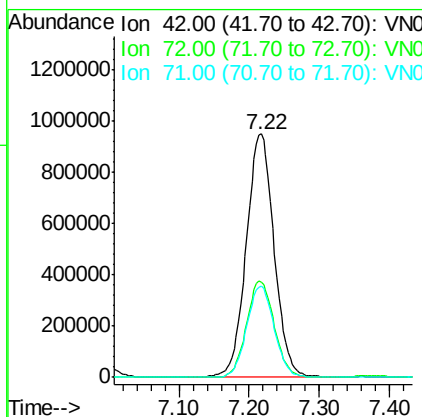
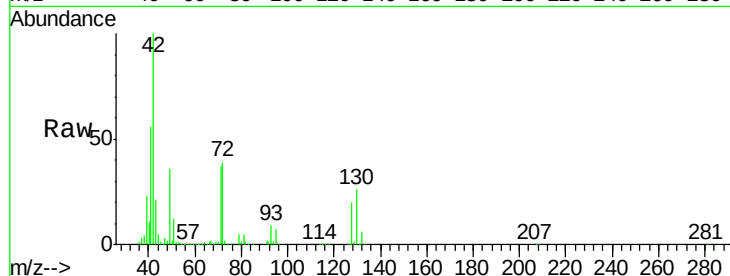
#29
Tetrahydrofuran
Concen: 745.58 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.2	48.4
71	37.0	30.5	45.7

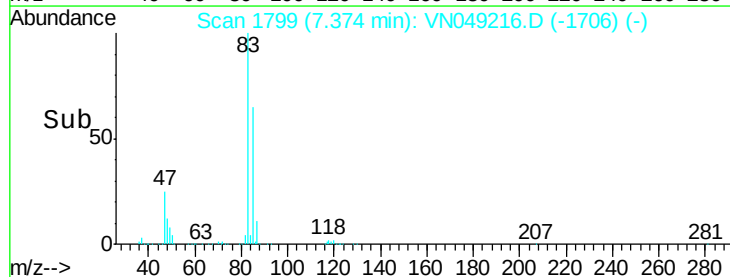
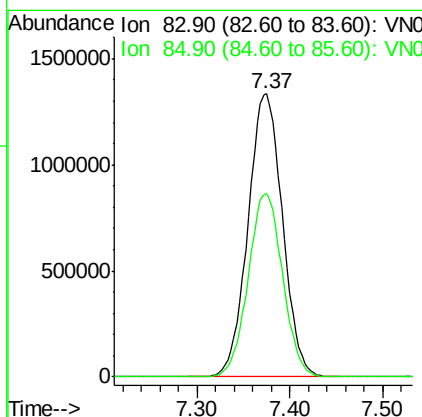
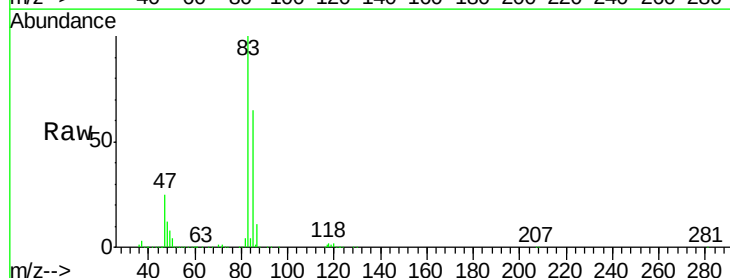
Manual Integrations
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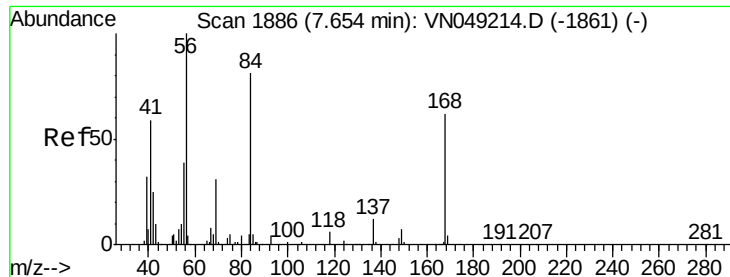
apatel
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#30
Chloroform
Concen: 139.83 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.7	77.5





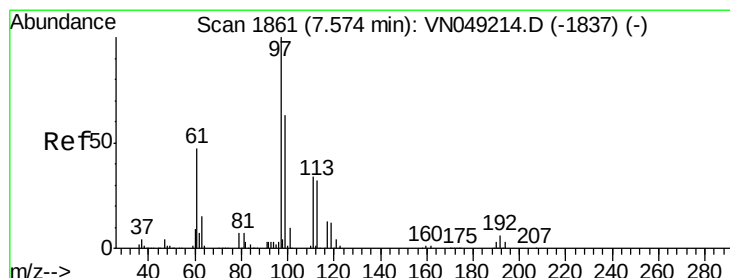
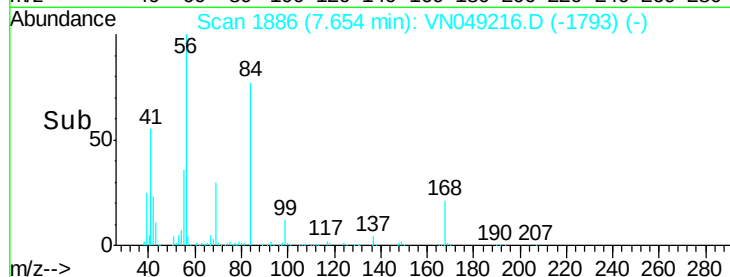
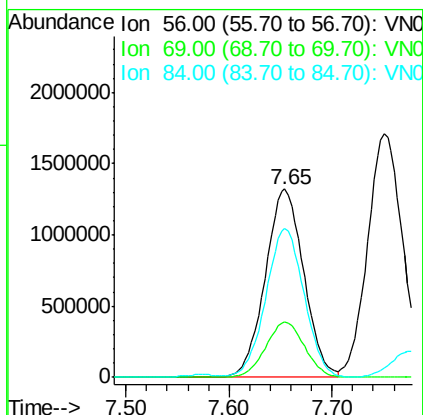
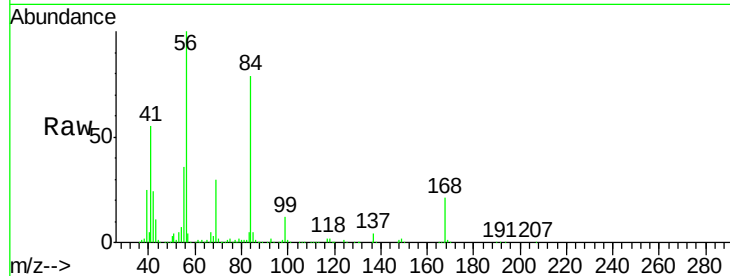
#31
Cyclohexane
Concen: 146.57 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	25.0	37.4
84	78.2	64.6	96.8

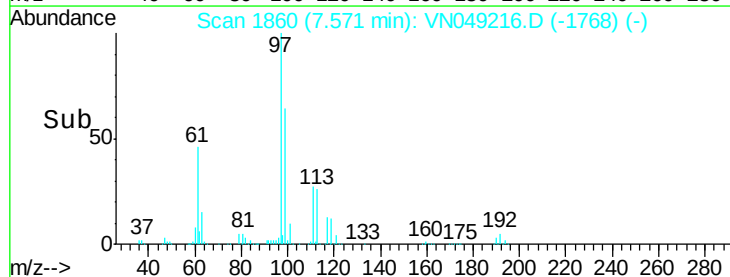
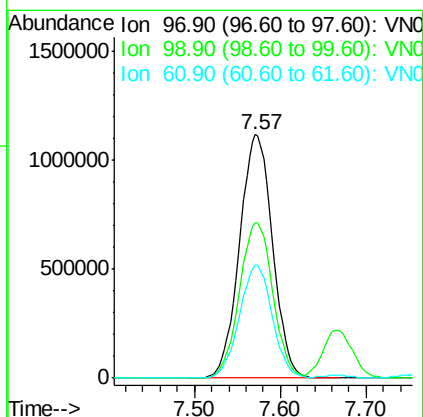
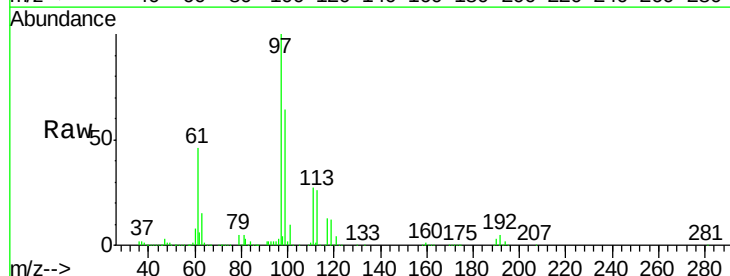
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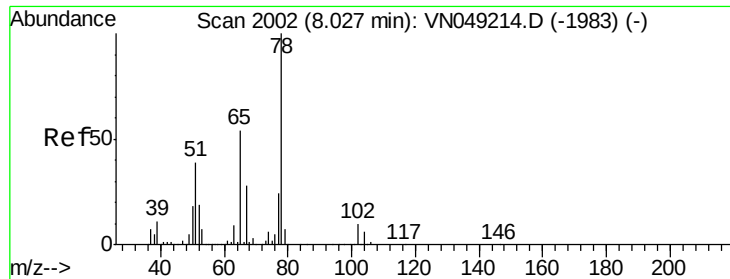
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#32
1,1,1-Trichloroethane
Concen: 141.40 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.5	75.7
61	46.2	37.9	56.9





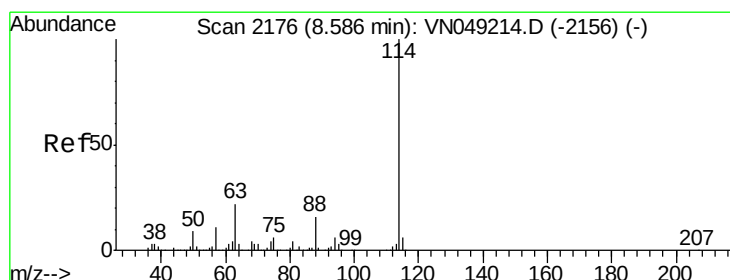
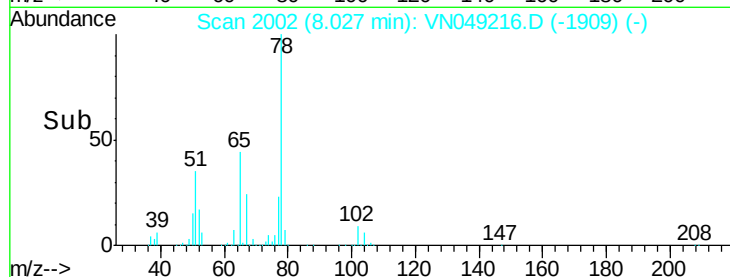
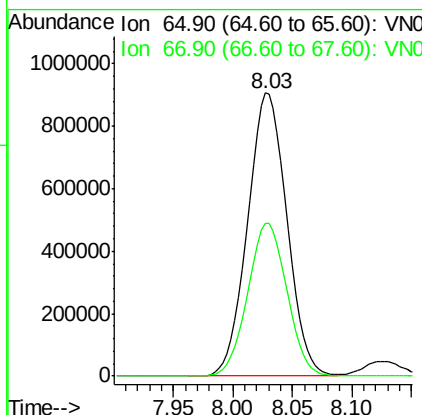
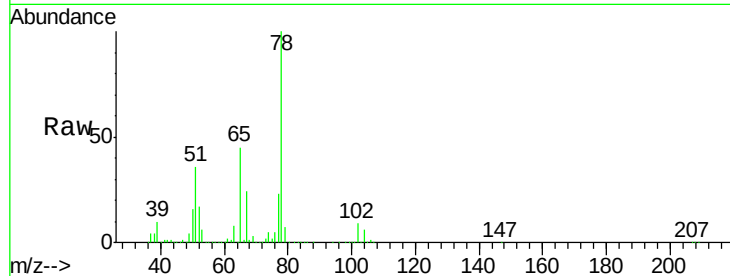
#33
 1,2-Dichloroethane-d4
 Concen: 135.51 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 65 Resp: 2072097
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 103.8

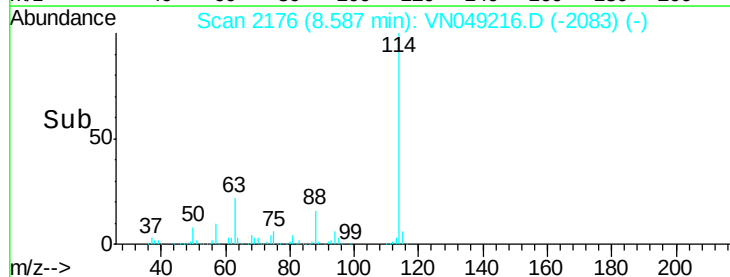
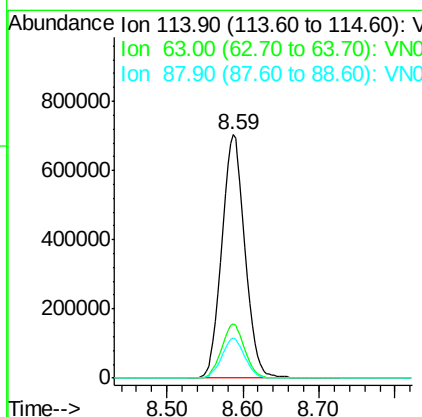
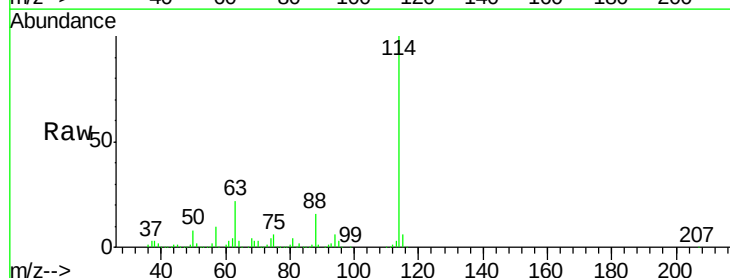
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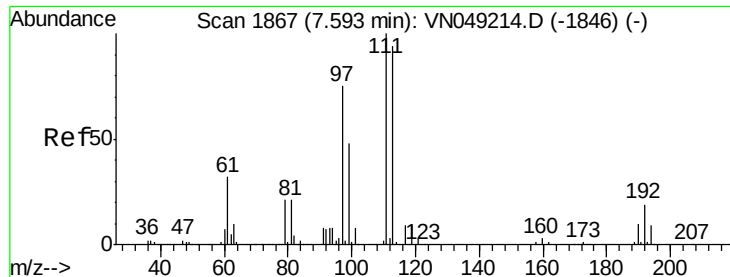
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Tgt Ion: 114 Resp: 1487702
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.4
 88 16.3 0.0 31.4





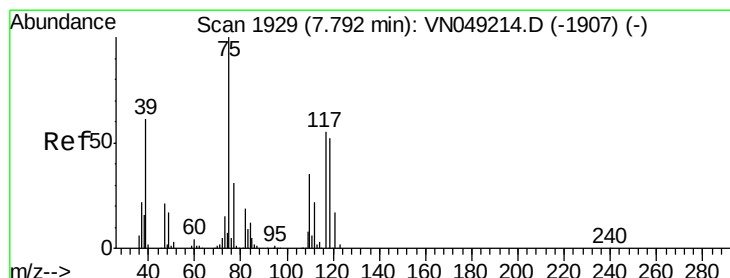
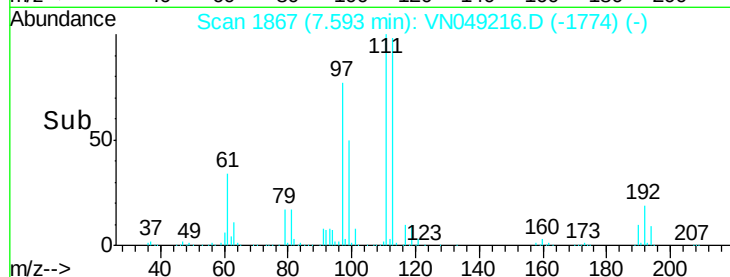
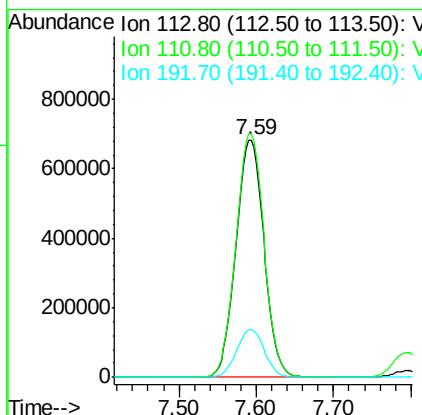
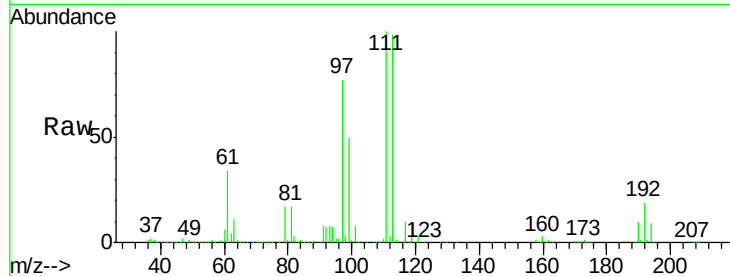
#35
 Dibromofluoromethane
 Concen: 139.90 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:113 Resp: 1717846
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.4 123.6
 192 20.0 15.0 22.6

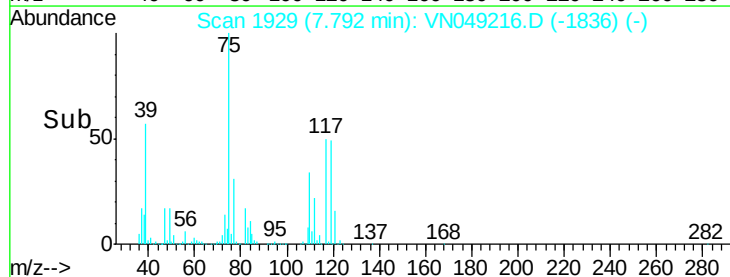
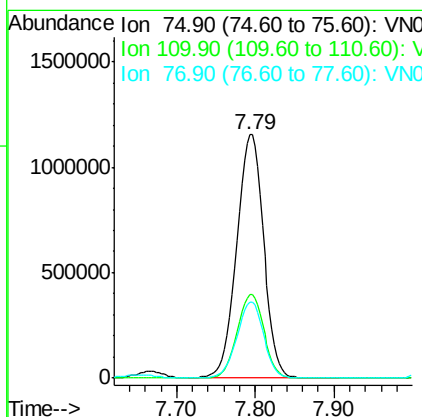
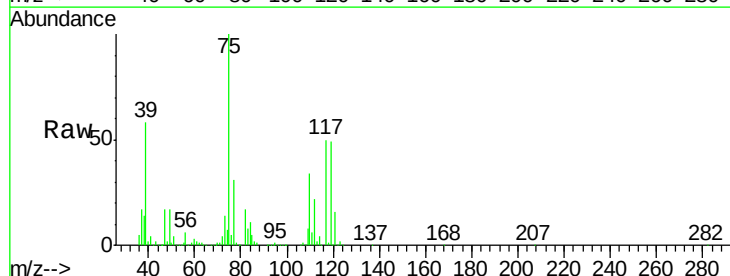
Manual Integrations
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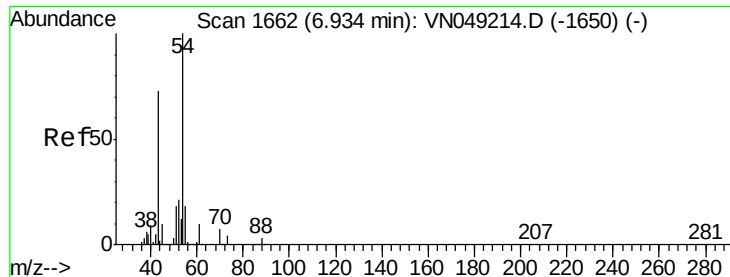
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#36
 1,1-Dichloropropene
 Concen: 148.70 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Tgt Ion: 75 Resp: 2767470
 Ion Ratio Lower Upper
 75 100
 110 34.2 17.0 50.9
 77 31.2 24.4 36.6





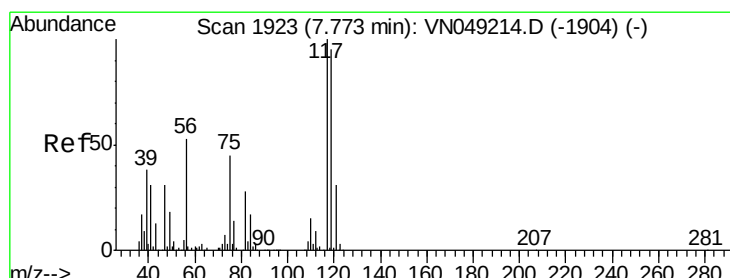
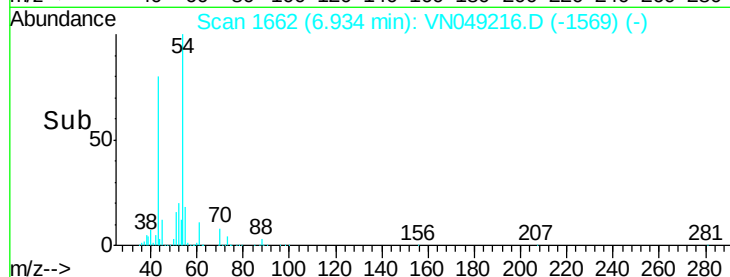
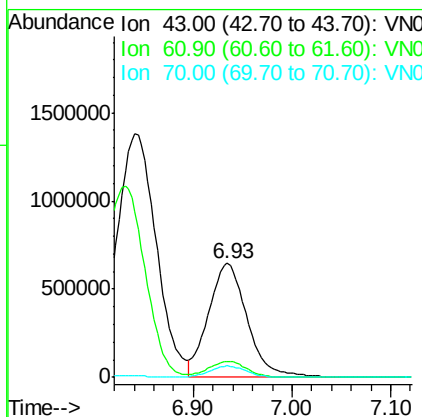
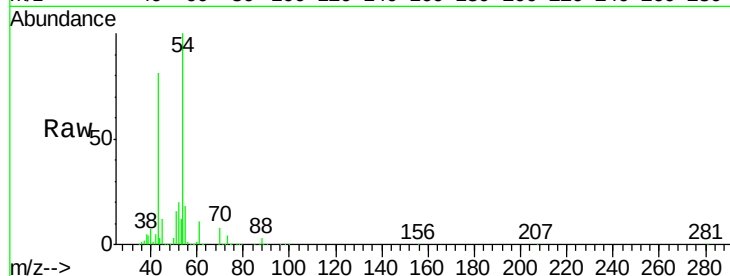
#37
Ethyl Acetate
Concen: 146.58 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	43	Resp	1749693
Ion Ratio	100	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	9.6	7.2	10.8

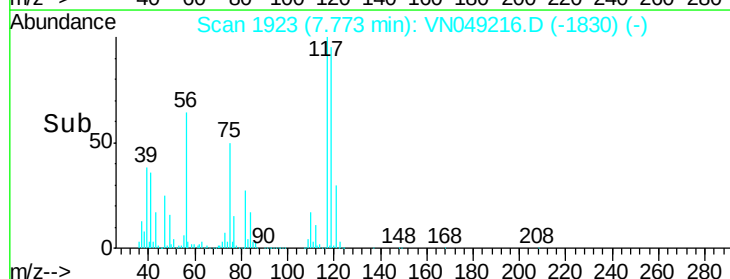
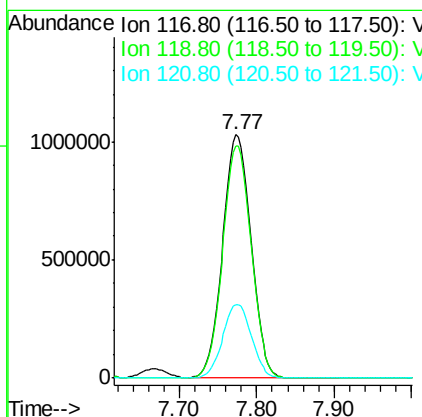
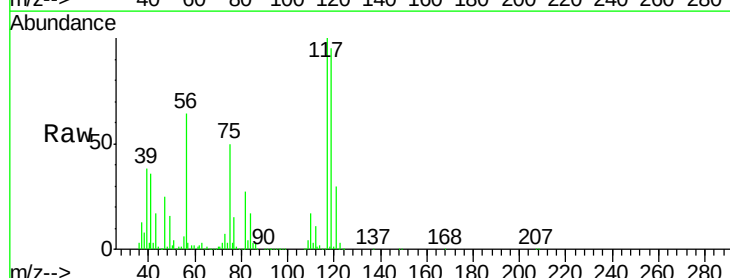
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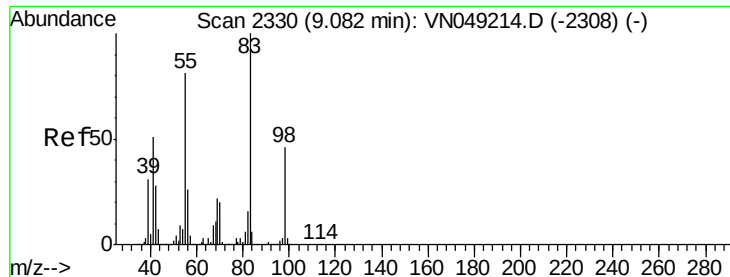
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#38
Carbon Tetrachloride
Concen: 143.57 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion	117	Resp	2623357
Ion Ratio	100	Lower	Upper
117	100		
119	95.5	75.6	113.4
121	30.4	24.7	37.1





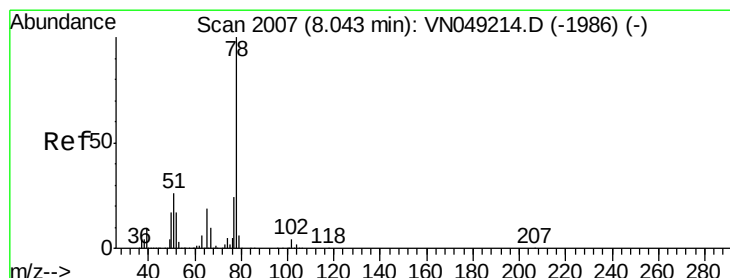
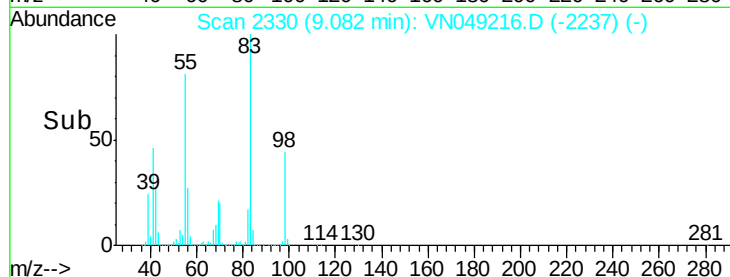
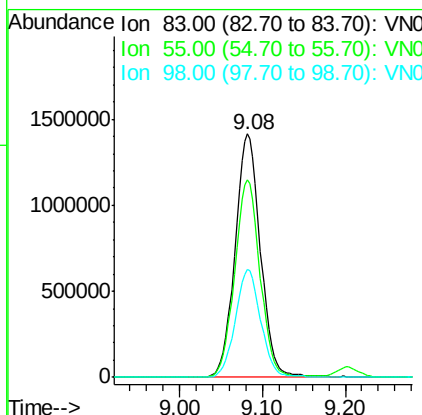
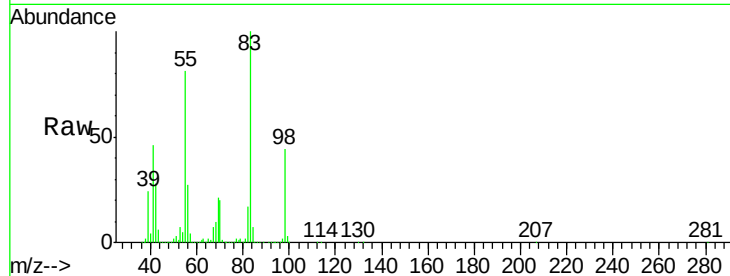
#39
Methvlcvclohexane
Concen: 154.74 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	83	Resp	3009434
Ion	Ratio	Lower	Upper
83	100		
55	81.2	65.1	97.7
98	44.2	36.5	54.7

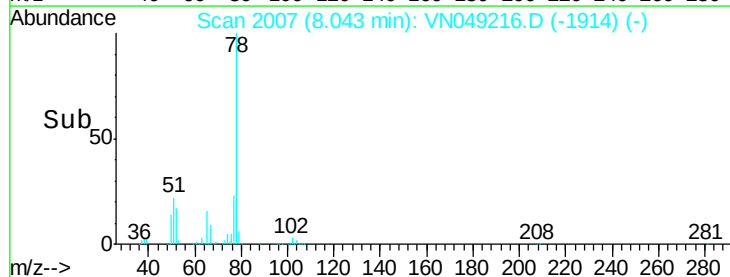
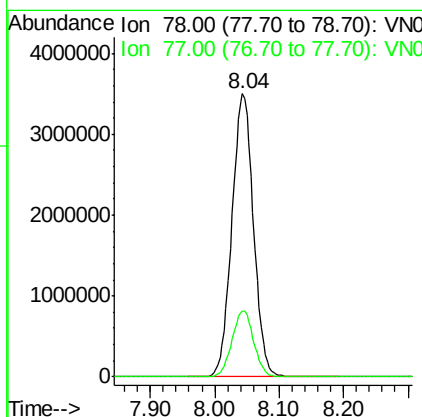
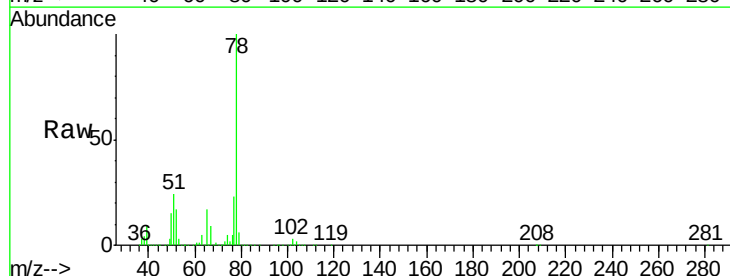
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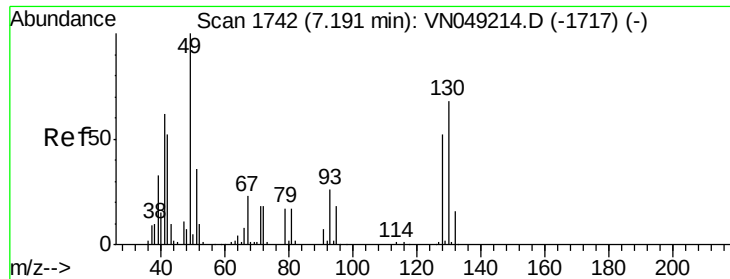
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#40
Benzene
Concen: 146.00 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion	78	Resp	8141284
Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.4	29.0





#41

Methacrylonitrile

Concen: 167.68 ug/l

RT: 7.18 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 1101464

Ion Ratio Lower Upper

41 100

39 55.6 0.0 0.0#

67 67.5 0.0 0.0#

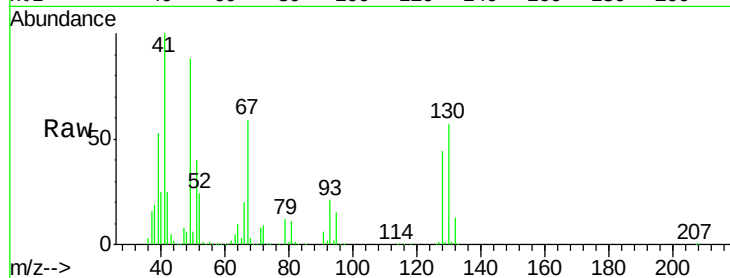
52 28.2 0.0 0.0#

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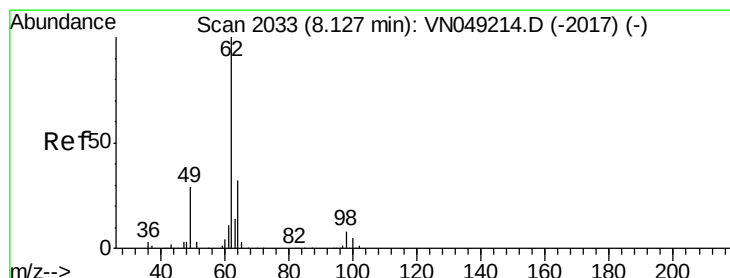
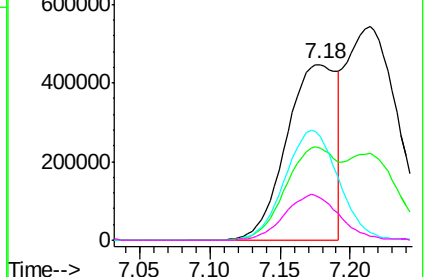
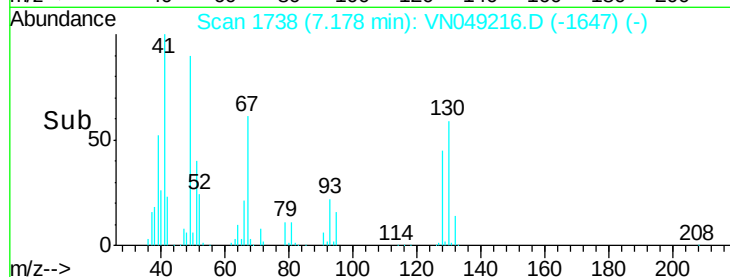
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

Time-->



#42

1,2-Dichloroethane

Concen: 142.40 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN049216.D

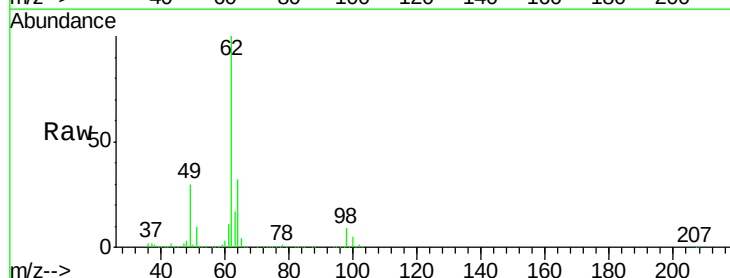
Acq: 13 Jun 2018 22:18

Tgt Ion: 62 Resp: 2584503

Ion Ratio Lower Upper

62 100

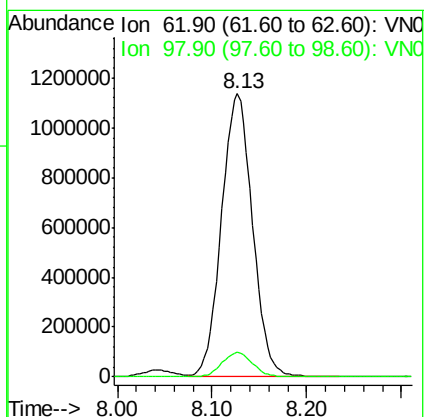
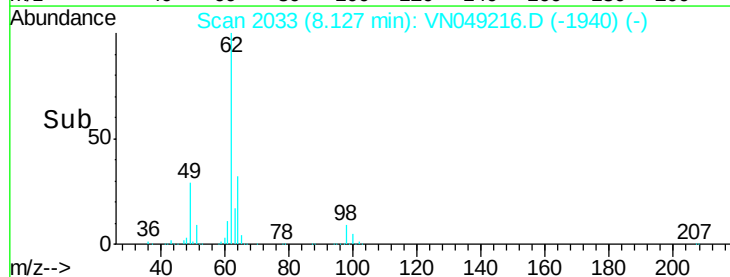
98 8.6 0.0 16.2

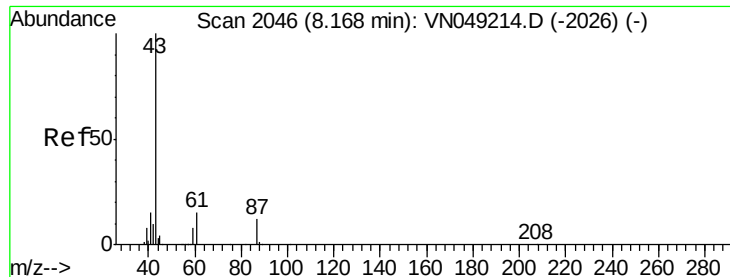


Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Time-->





#43

Isopropyl Acetate

Concen: 144.06 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3280307

Ion Ratio Lower Upper

43 100

61 19.3 14.2 21.4

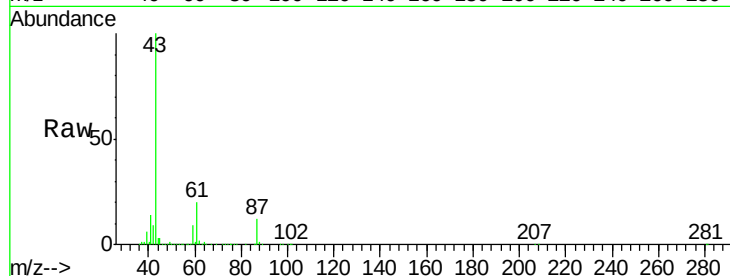
87 11.9 9.4 14.0

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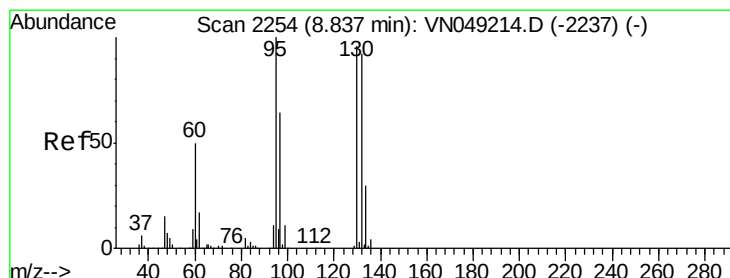
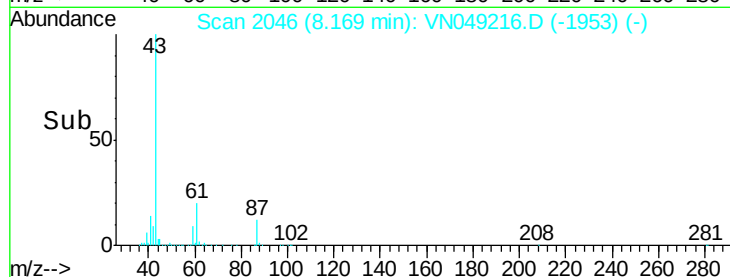
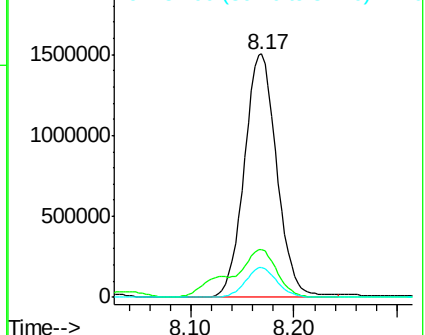


Abundance

Ion 43.00 (42.70 to 43.70): VN049214.D (-2026) (-)

Ion 61.00 (60.70 to 61.70): VN049214.D (-2026) (-)

Ion 87.00 (86.70 to 87.70): VN049214.D (-2026) (-)



#44

Trichloroethene

Concen: 145.22 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049216.D

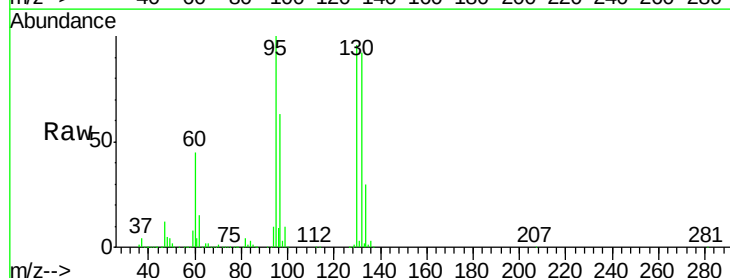
Acq: 13 Jun 2018 22:18

Tgt Ion:130 Resp: 1983011

Ion Ratio Lower Upper

130 100

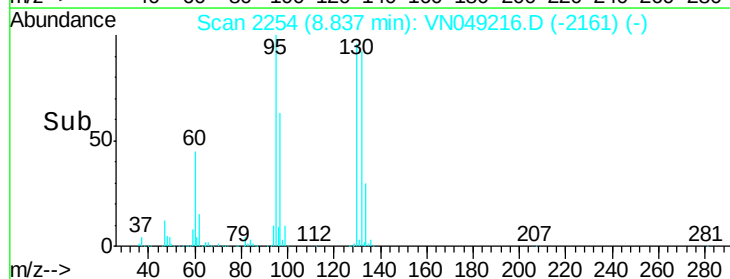
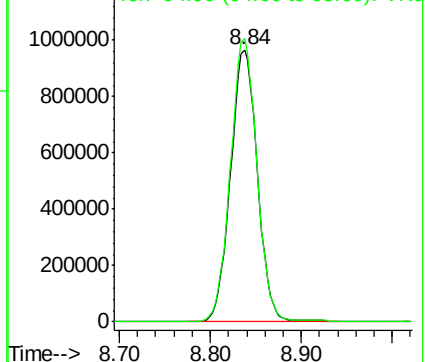
95 103.9 0.0 208.6

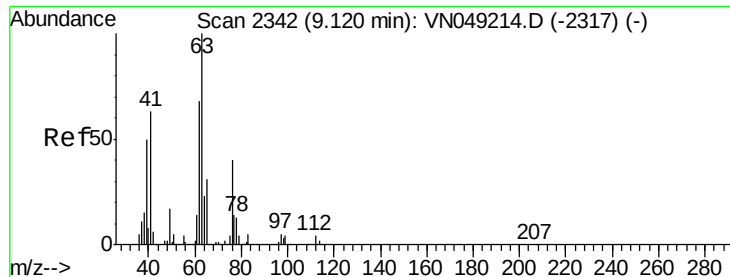


Abundance

Ion 129.80 (129.50 to 130.50): VN049214.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN049214.D (-2237) (-)





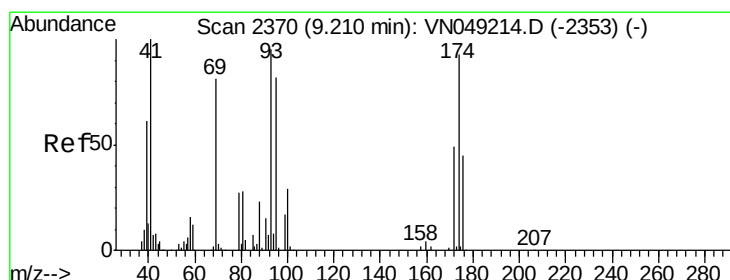
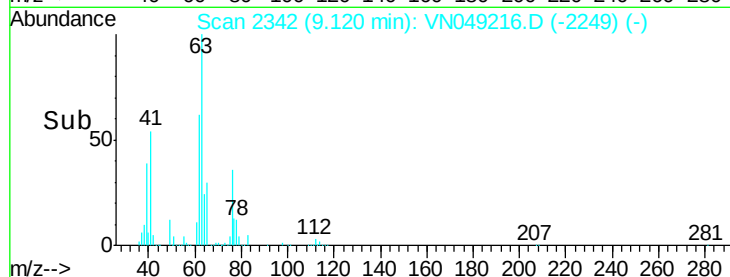
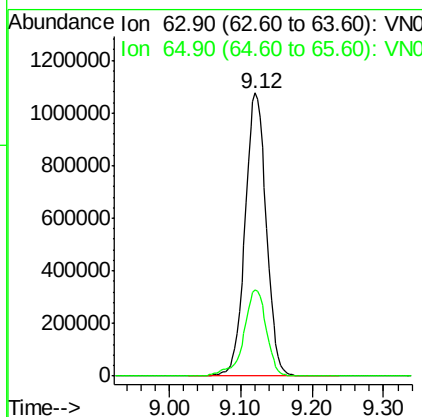
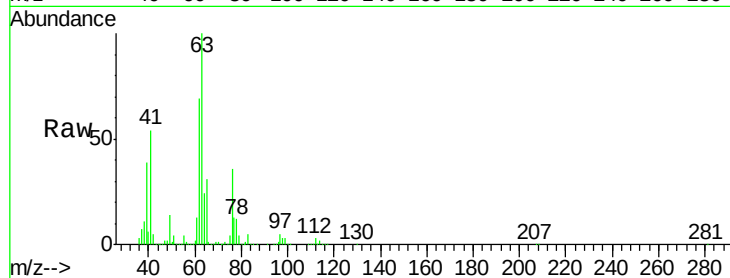
#45
 1,2-Dichloropropane
 Concen: 145.58 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 2223185
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.8 37.2

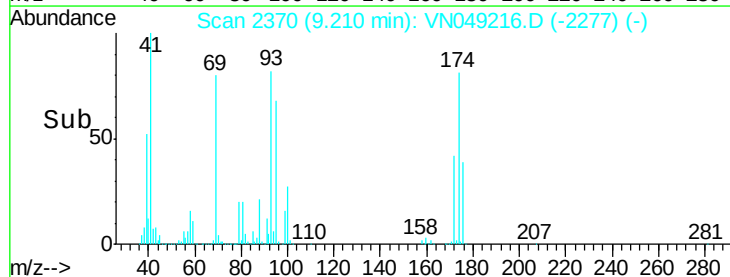
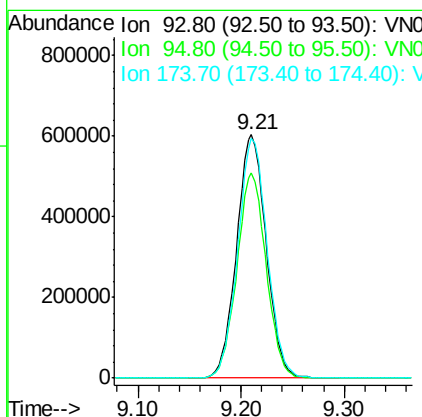
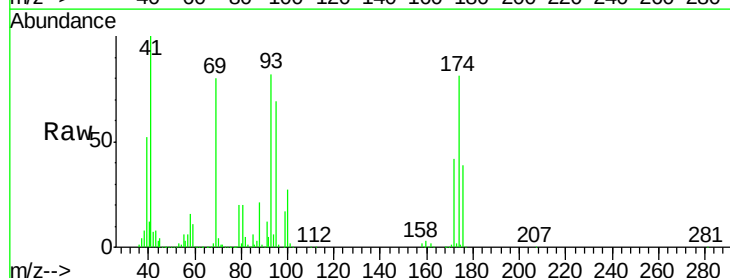
Manual Integrations
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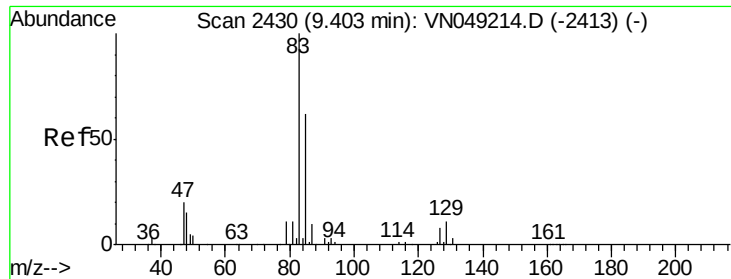
apatel
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#46
 Dibromomethane
 Concen: 141.74 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Tgt Ion: 93 Resp: 1205815
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.2 100.8
 174 98.1 75.6 113.4





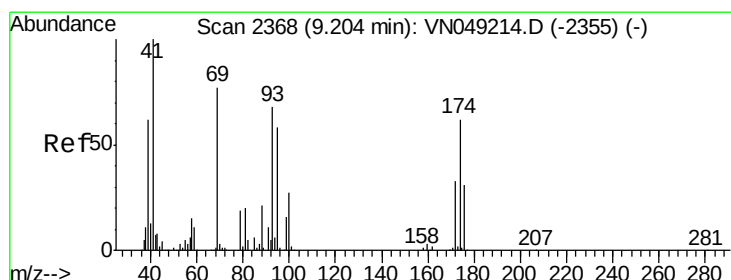
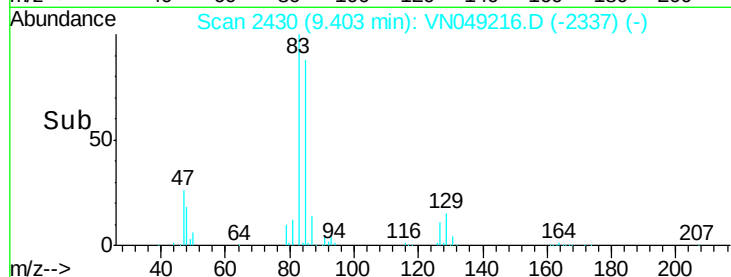
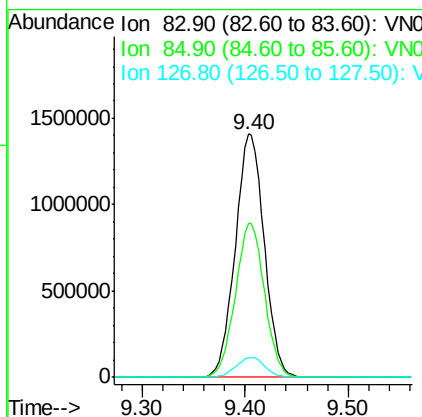
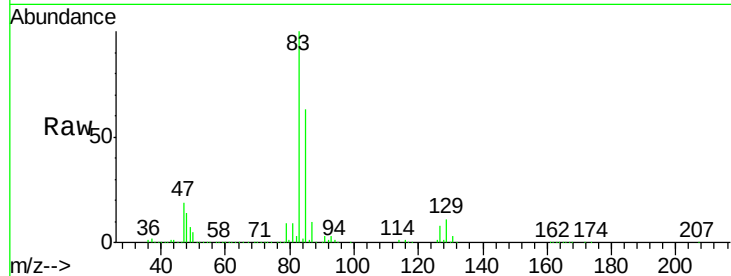
#47
Bromodichloromethane
Concen: 145.96 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 2755204
Ion Ratio Lower Upper
83 100
85 63.3 49.4 74.0
127 8.2 6.3 9.5

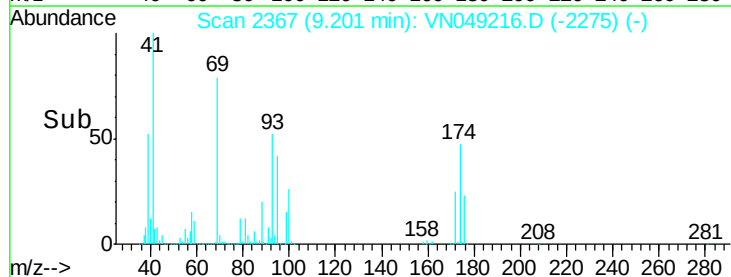
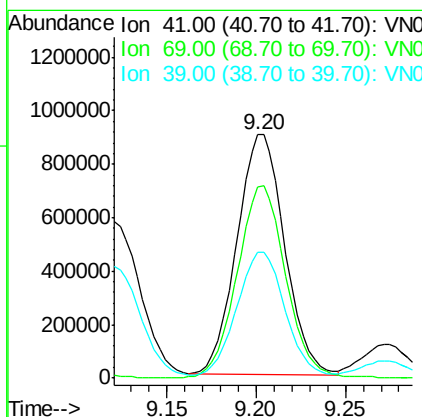
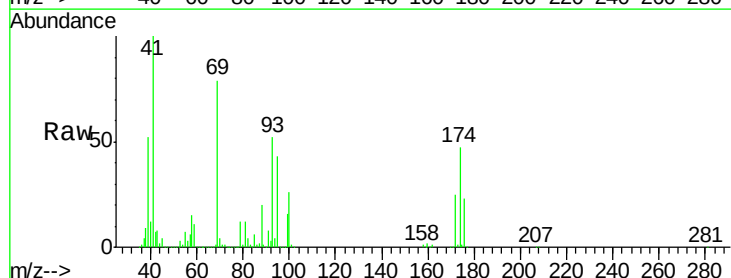
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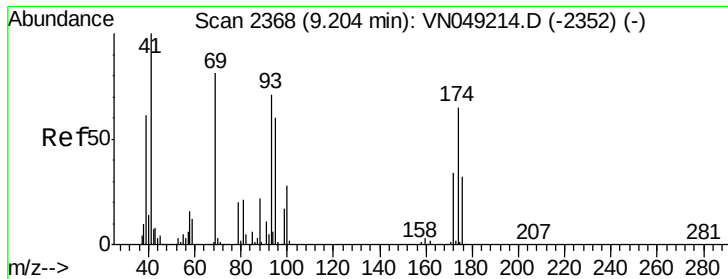
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#48
Methyl methacrylate
Concen: 154.00 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion: 41 Resp: 1673533
Ion Ratio Lower Upper
41 100
69 81.7 62.0 93.0
39 53.9 50.6 75.8





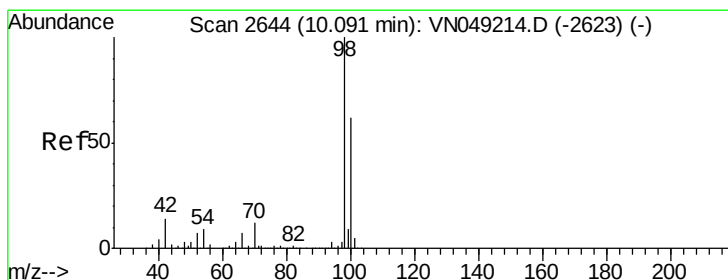
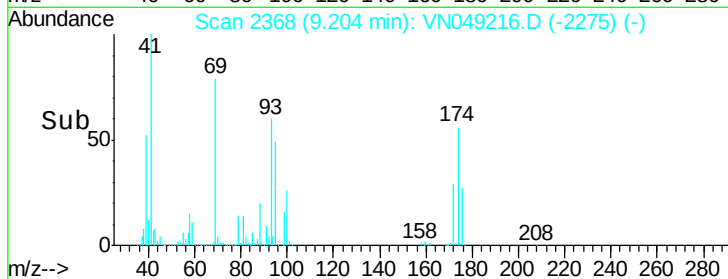
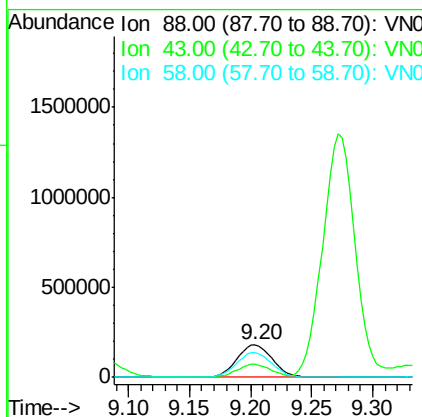
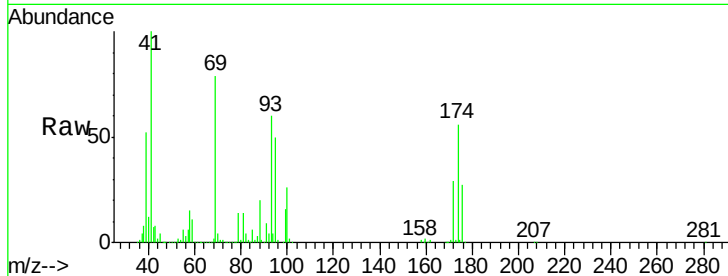
#49
1,4-Dioxane
Concen: 3001.84 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	30.9	46.3
58	75.1	58.9	88.3

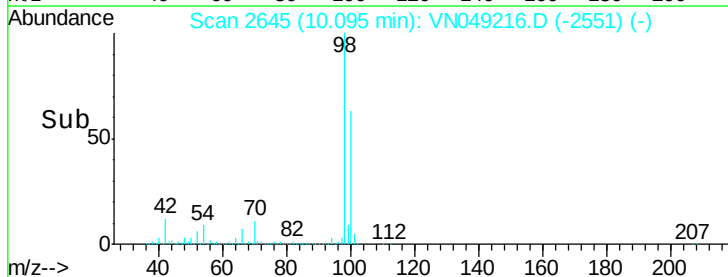
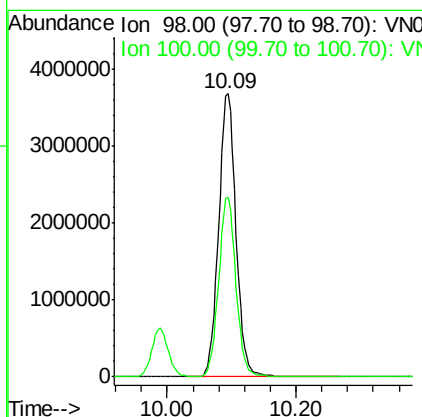
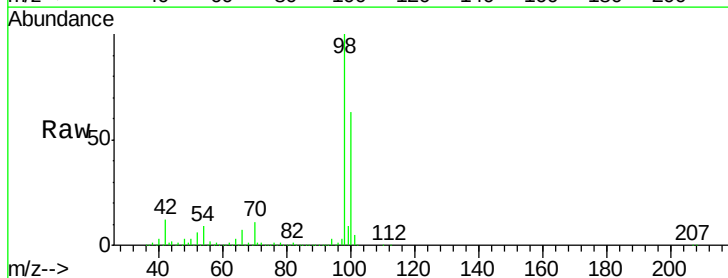
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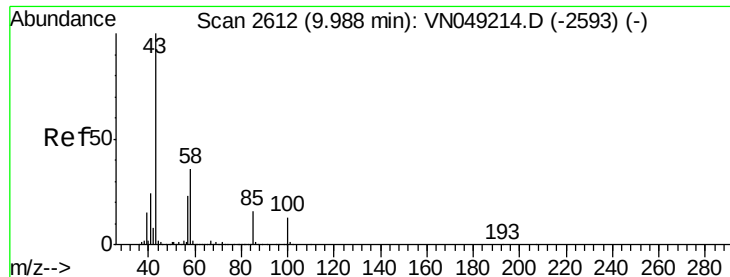
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#50
Toluene-d8
Concen: 145.59 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	49.8	74.8





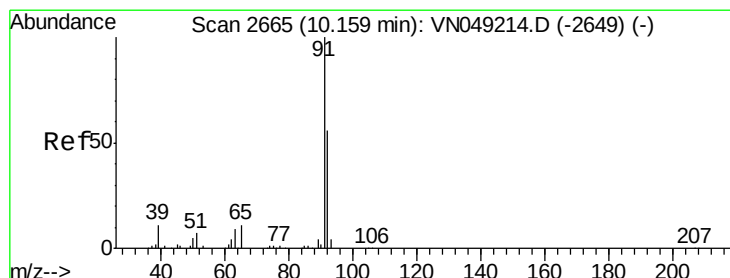
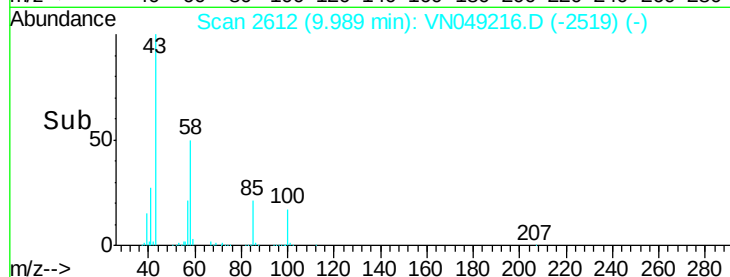
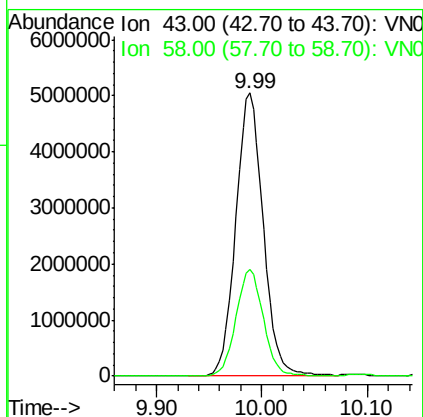
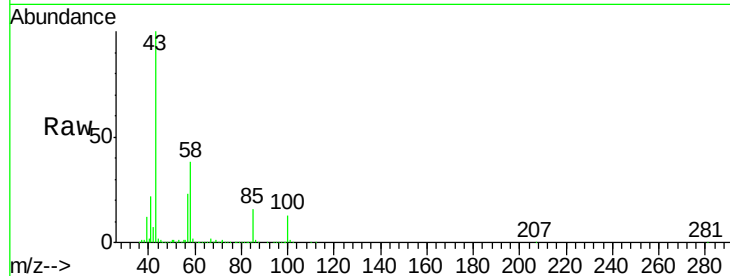
#51
4-Methyl-2-Pentanone
Concen: 756.54 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 9100062
Ion Ratio Lower Upper
43 100
58 37.6 29.0 43.6

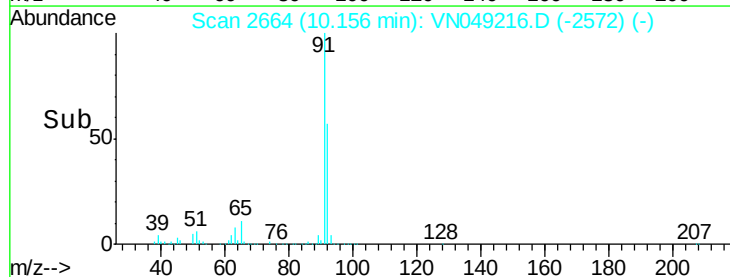
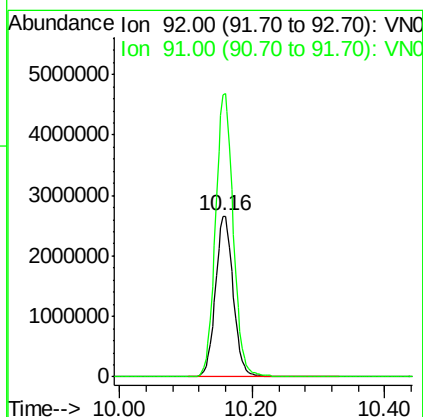
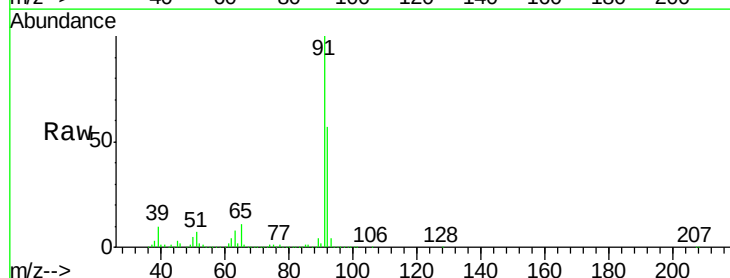
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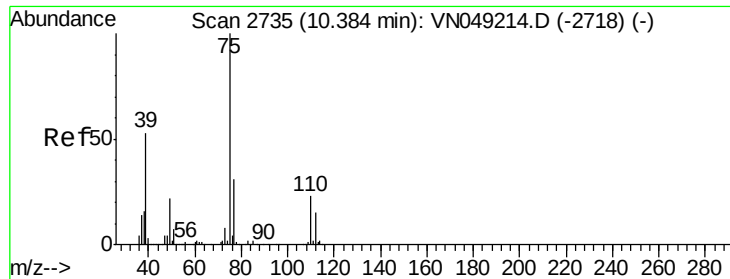
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#52
Toluene
Concen: 147.70 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion: 92 Resp: 4937555
Ion Ratio Lower Upper
92 100
91 176.2 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 157.42 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 2963017

Ion Ratio Lower Upper

75 100

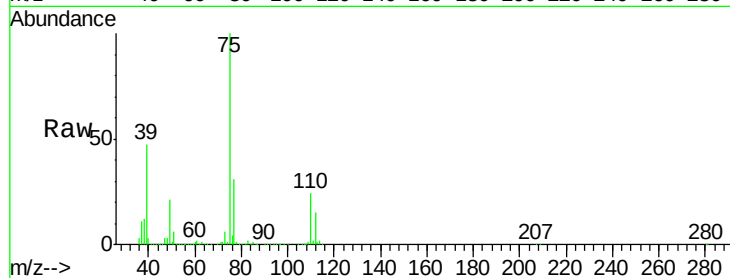
77 31.0 25.2 37.8

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

2000000

1500000

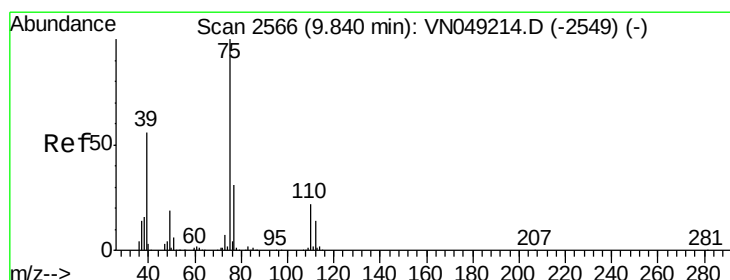
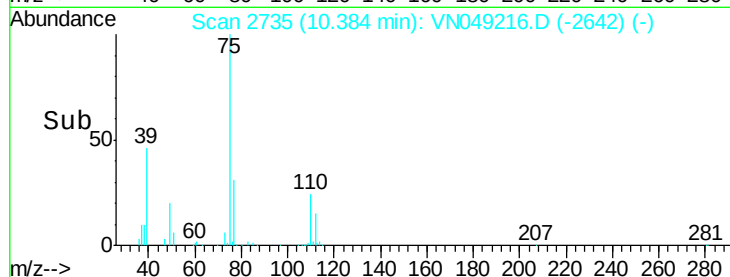
1000000

500000

0

10.30 10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 152.88 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

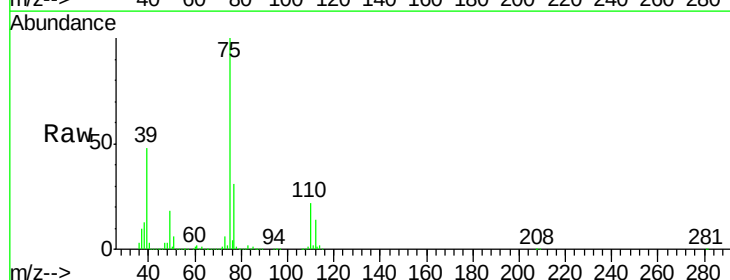
Tgt Ion: 75 Resp: 3341948

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 48.4 45.1 67.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

2500000

2000000

1500000

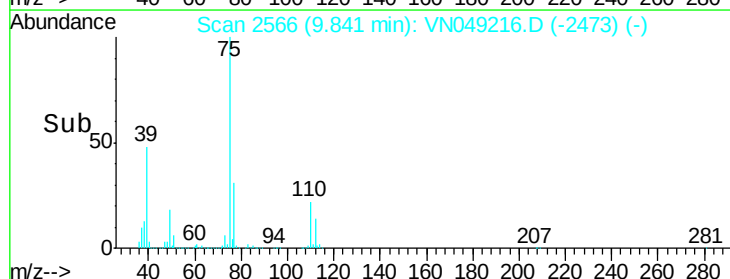
1000000

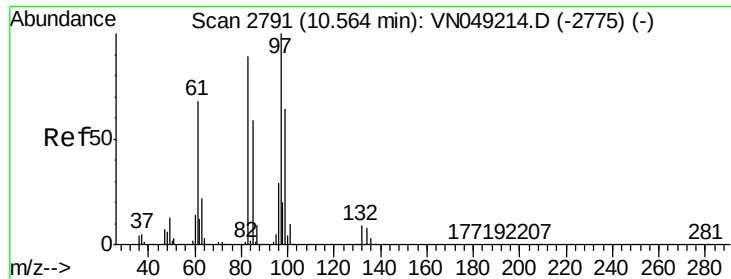
500000

0

9.70 9.80 9.90 10.00

Time-->





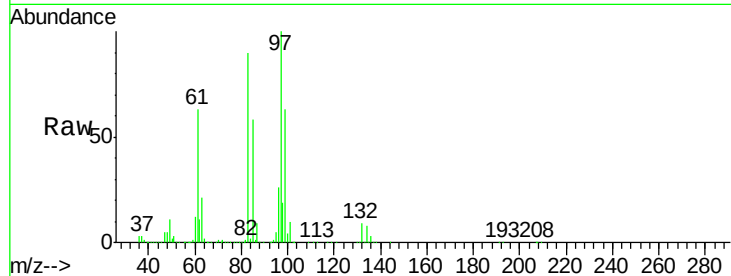
#55
 1,1,2-Trichloroethane
 Concen: 144.84 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.2	71.5	107.3
85	58.1	47.0	70.4
99	62.8	51.4	77.2

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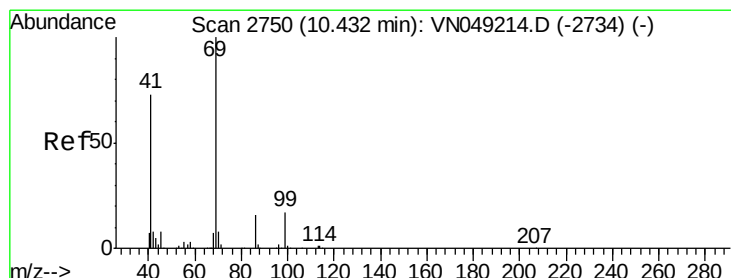
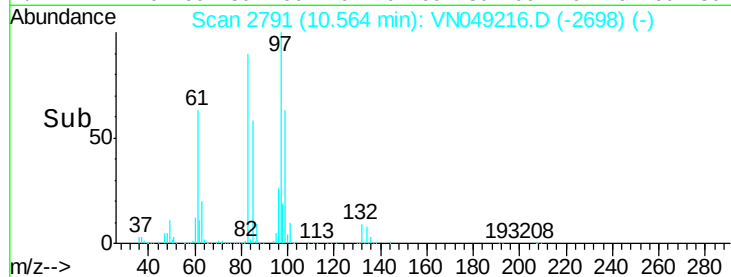
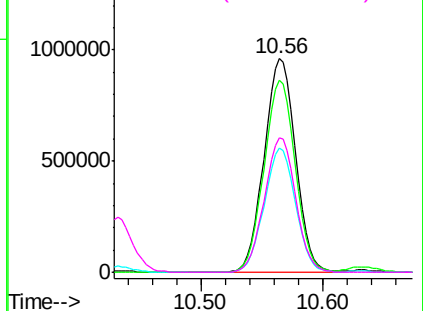


Abundance Ion 96.90 (96.60 to 97.60): VN049216.D (-2698) (-)

Ion 82.90 (82.60 to 83.60): VN049216.D (-2698) (-)

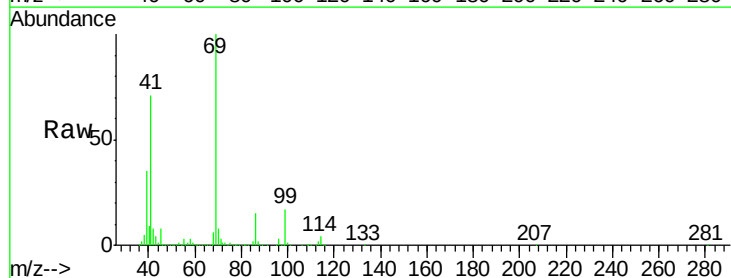
Ion 84.90 (84.60 to 85.60): VN049216.D (-2698) (-)

Ion 98.90 (98.60 to 99.60): VN049216.D (-2698) (-)



#56
 Ethyl methacrylate
 Concen: 161.70 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

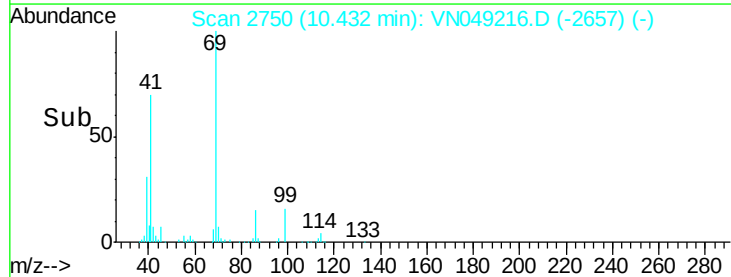
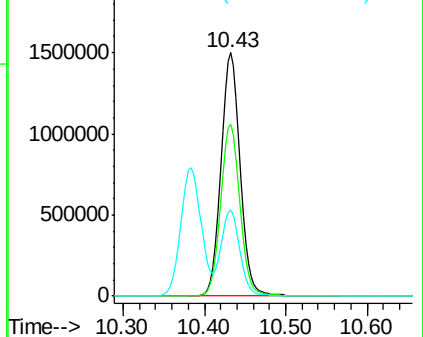
Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.5	58.4	87.6
39	34.9	35.5	53.3#

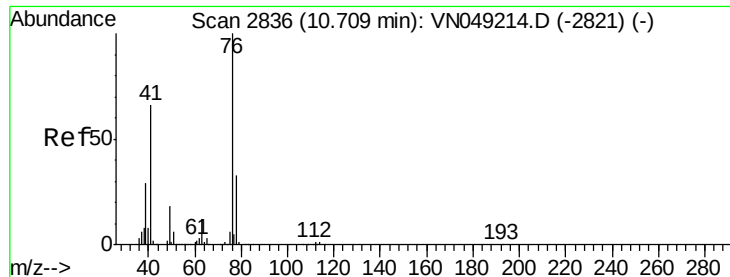


Abundance Ion 69.00 (68.70 to 69.70): VN049216.D (-2657) (-)

Ion 41.00 (40.70 to 41.70): VN049216.D (-2657) (-)

Ion 39.00 (38.70 to 39.70): VN049216.D (-2657) (-)





#57

1,3-Dichloropropane

Concen: 148.35 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampled :

VSTDICC150

Tot Ion: 76 Resp: 3077886

Ion Ratio Lower Upper

76 100

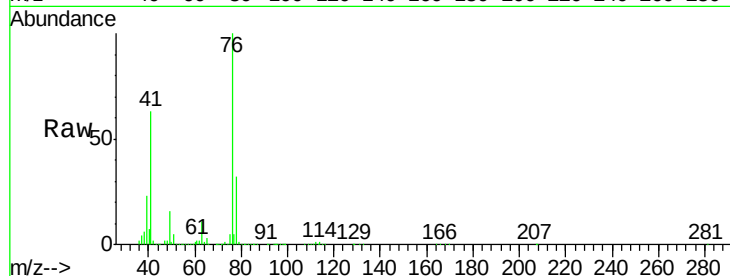
78 31.9 26.3 39.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN049216.D (-2743) (-)

Ion 77.90 (77.60 to 78.60): VN049216.D (-2743) (-)

2000000

1500000

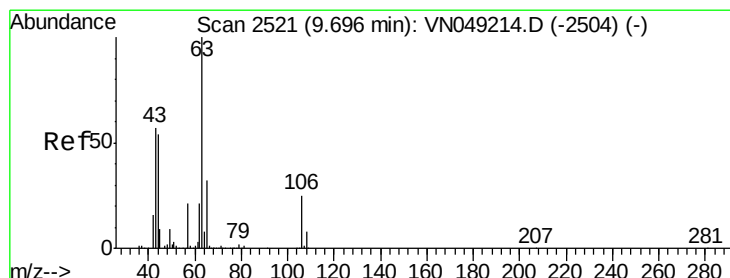
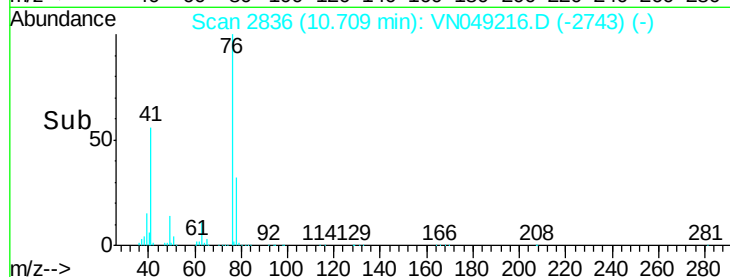
1000000

500000

0

10.60 10.70 10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 846.21 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049216.D

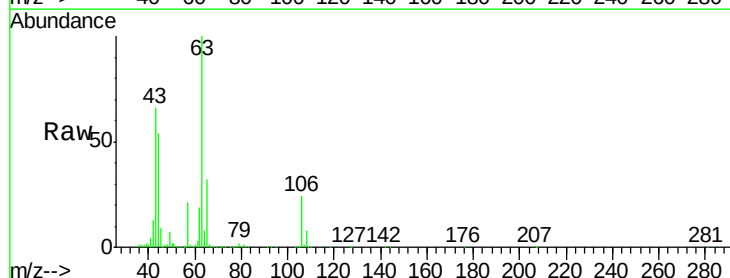
Acq: 13 Jun 2018 22:18

Tgt Ion: 63 Resp: 4329070

Ion Ratio Lower Upper

63 100

106 23.8 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN049216.D (-2428) (-)

Ion 105.90 (105.60 to 106.60): VN049216.D (-2428) (-)

2500000

2000000

1500000

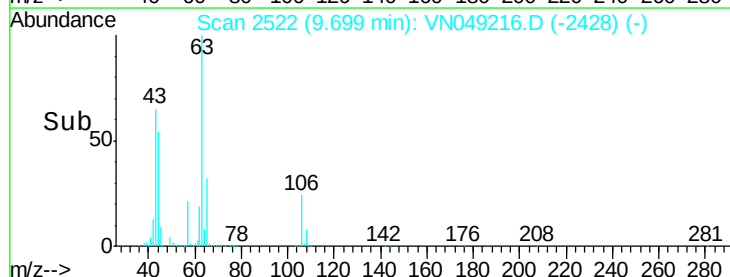
1000000

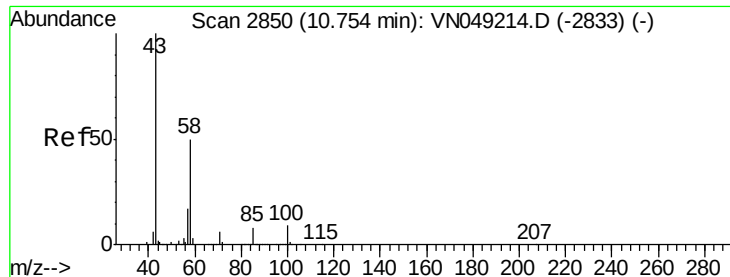
500000

0

9.60 9.70 9.80

Time-->





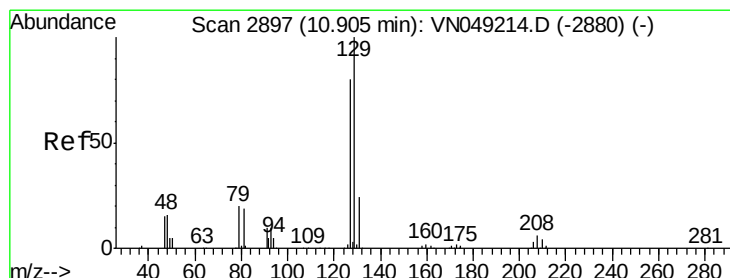
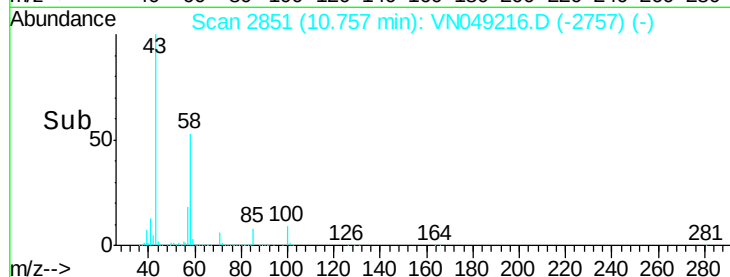
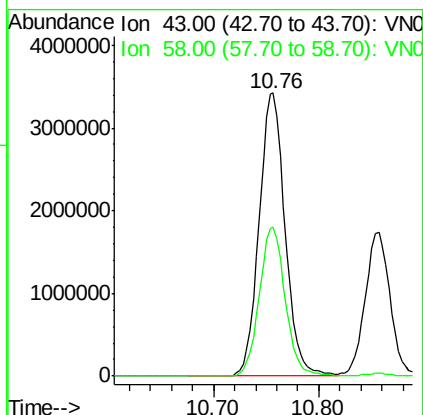
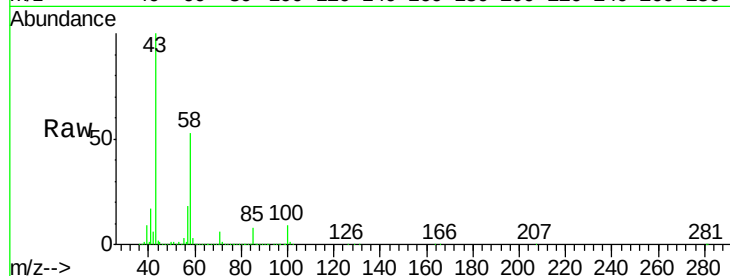
#59
2-Hexanone
Concen: 760.98 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 5891231
Ion Ratio Lower Upper
43 100
58 52.6 25.2 75.6

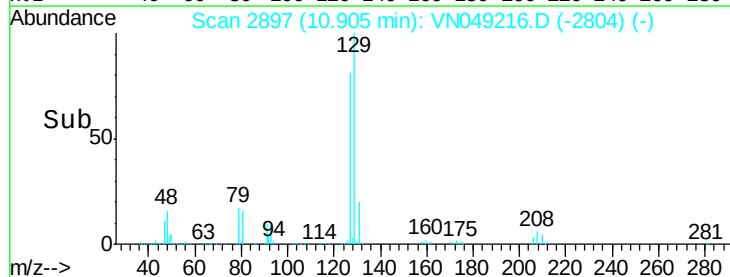
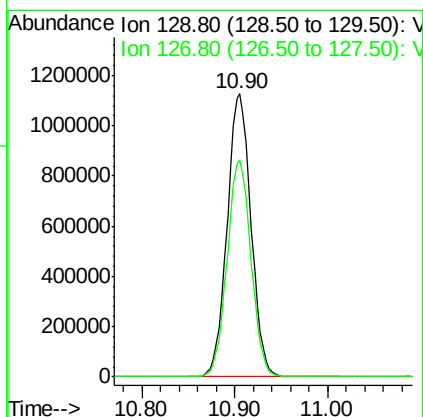
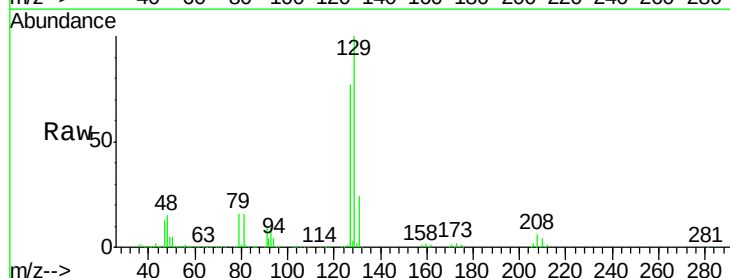
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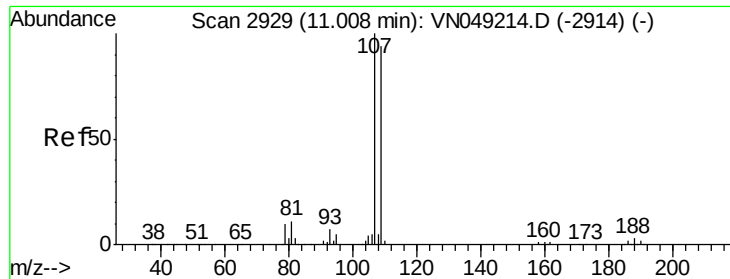
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#60
Dibromochloromethane
Concen: 151.04 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion: 129 Resp: 2008611
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





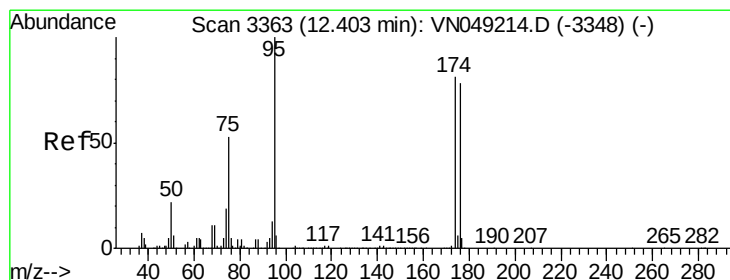
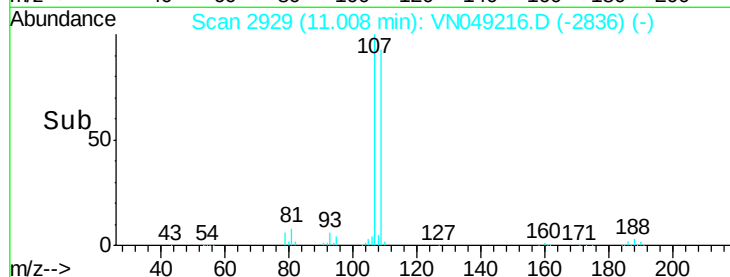
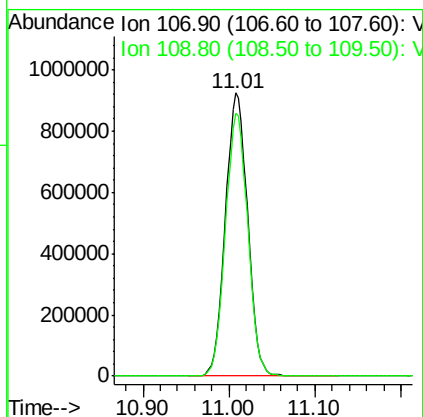
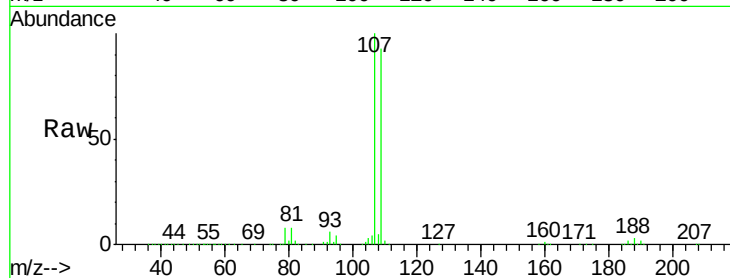
#61
 1,2-Dibromoethane
 Concen: 148.72 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 107 Resp: 1658084
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.4 113.2

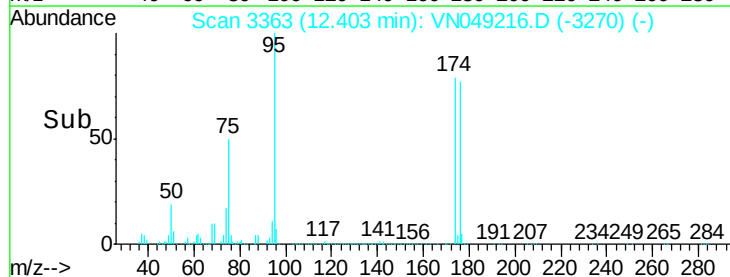
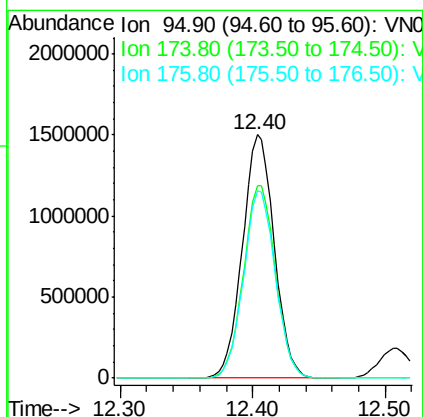
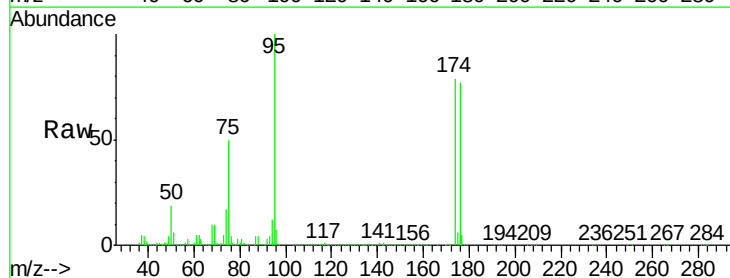
Manual Integrations
 APPROVED

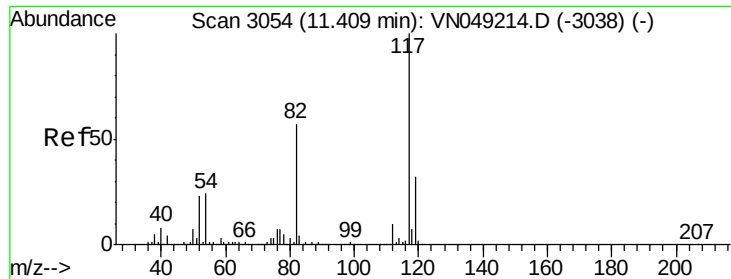
apatel
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#62
 4-Bromofluorobenzene
 Concen: 158.53 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Tgt Ion: 95 Resp: 2494567
 Ion Ratio Lower Upper
 95 100
 174 79.9 0.0 165.6
 176 77.2 0.0 157.4





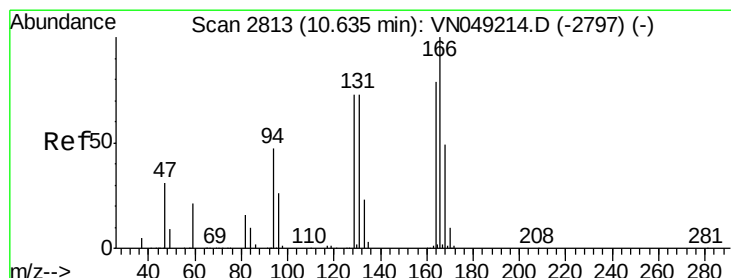
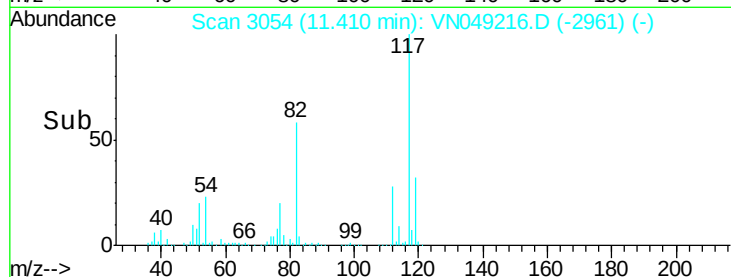
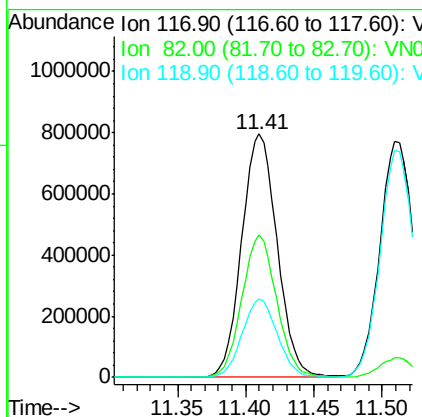
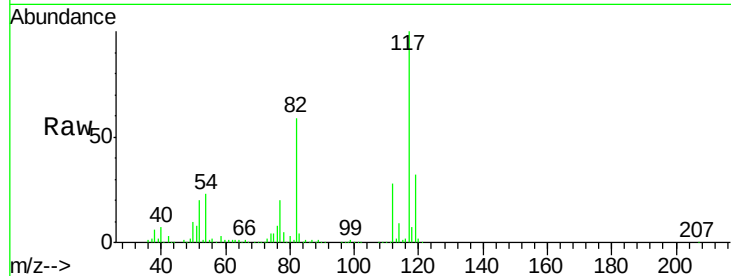
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	45.9	68.9
119	32.1	25.5	38.3

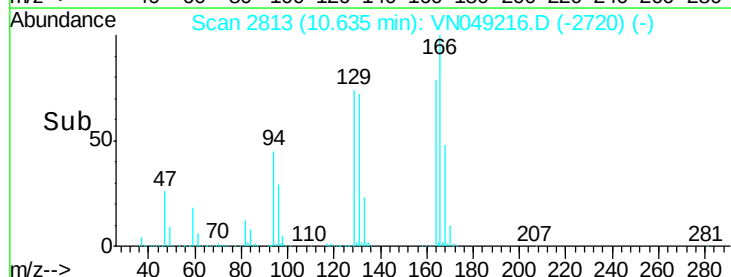
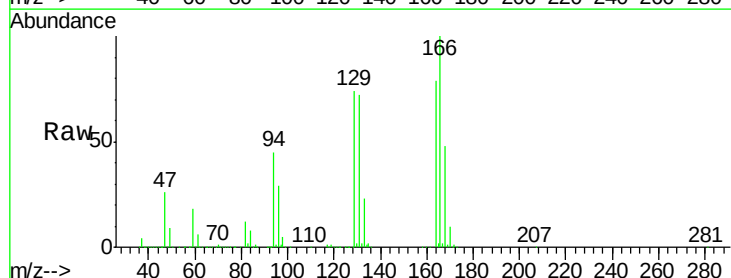
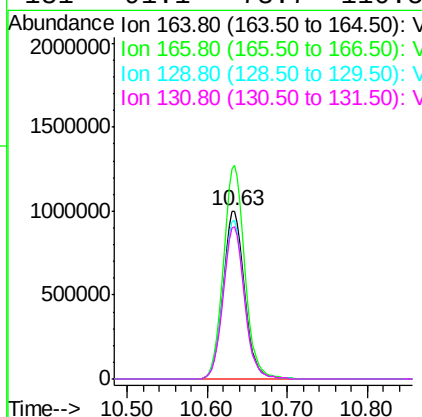
Manual Integrations
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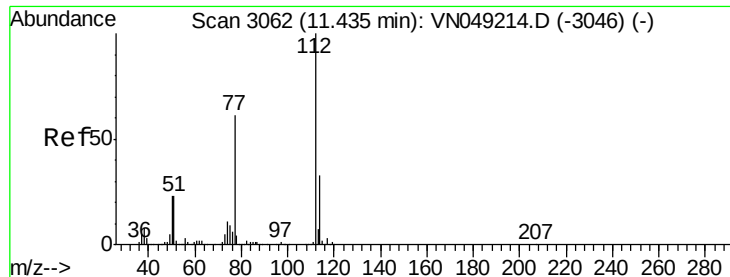
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#64
Tetrachloroethene
Concen: 132.80 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.4	152.2
129	94.4	74.1	111.1
131	91.1	73.7	110.5





#65

Chlorobenzene

Concen: 143.43 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 5299974

Ion Ratio Lower Upper

112 100

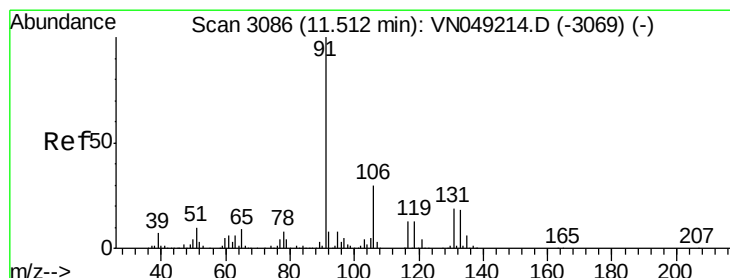
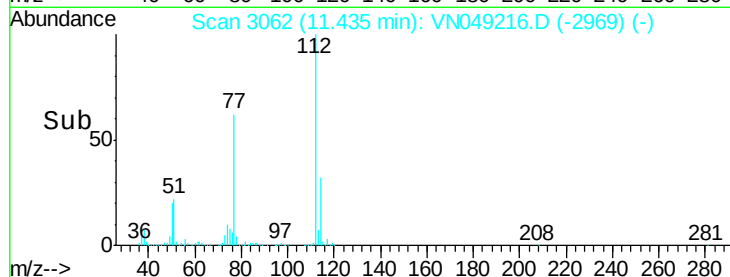
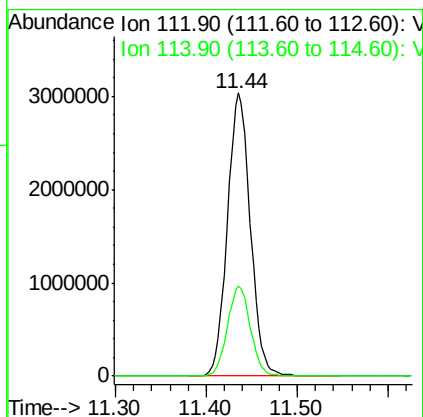
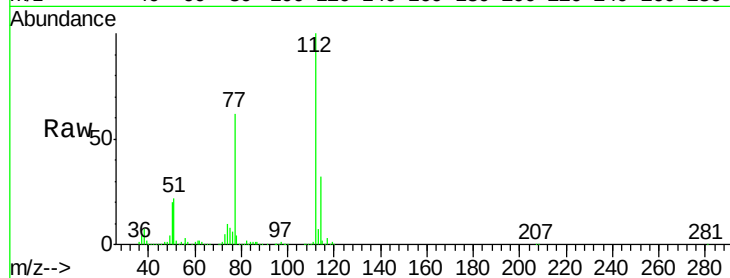
114 31.9 26.2 39.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 140.88 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

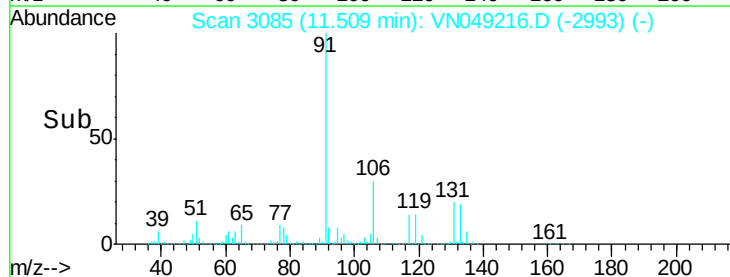
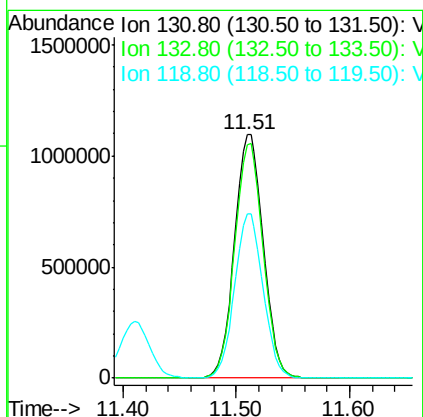
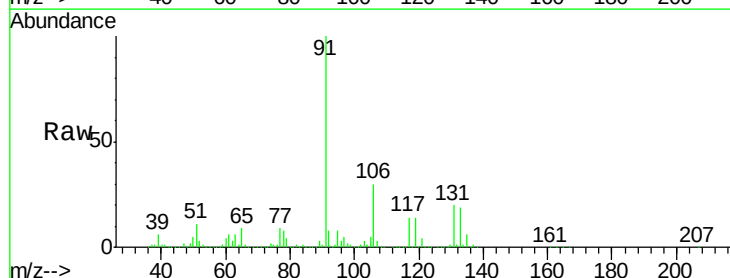
Tgt Ion:131 Resp: 1943312

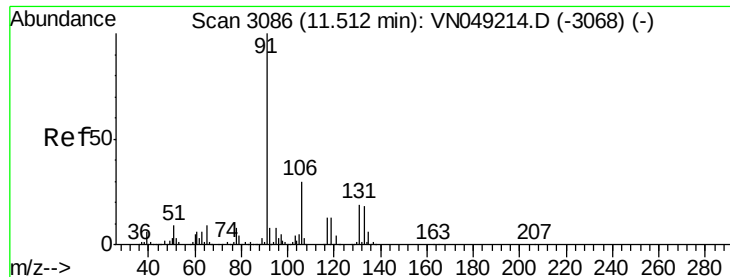
Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.2

119 66.9 33.6 100.8





#67

Ethyl Benzene

Concen: 149.02 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 9796522

Ion Ratio Lower Upper

91 100

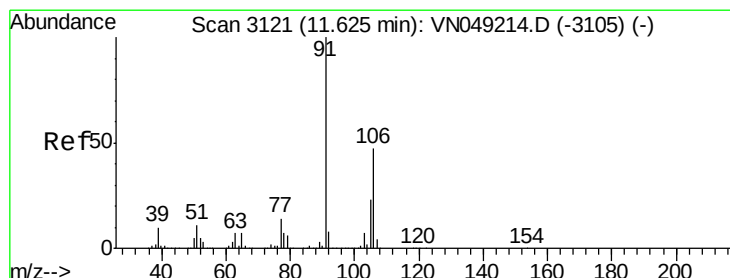
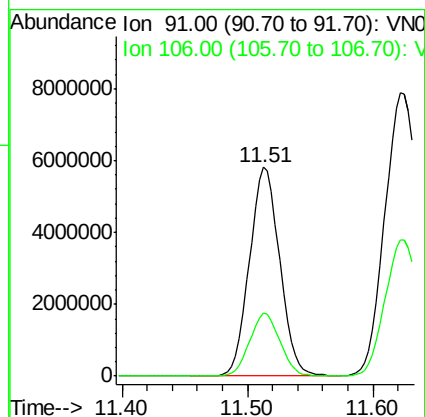
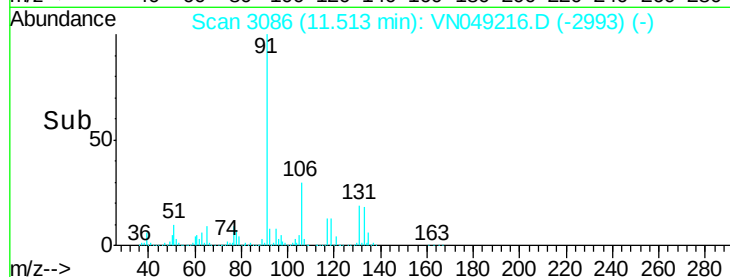
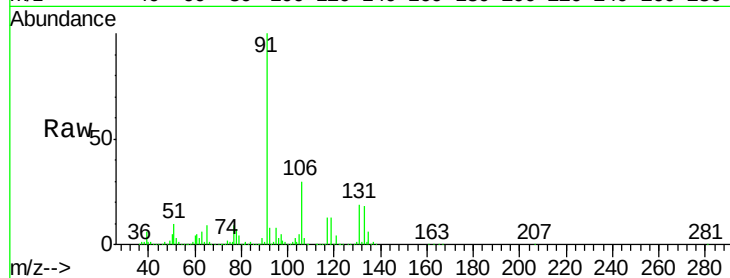
106 30.1 23.9 35.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 298.99 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049216.D

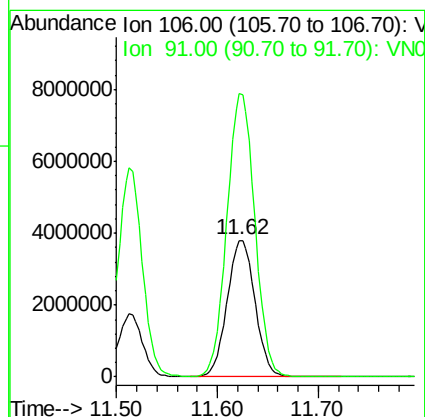
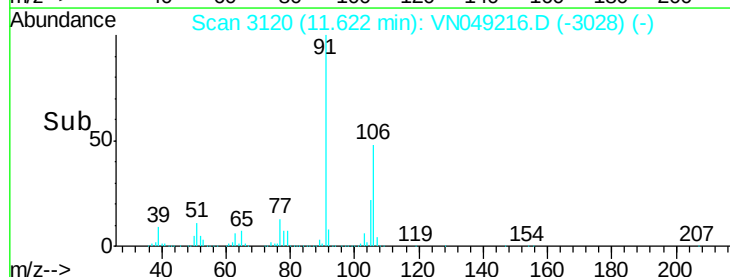
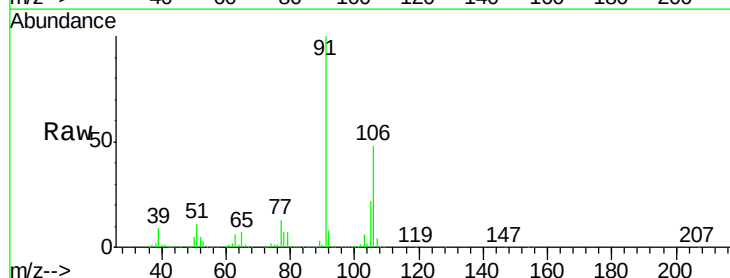
Acq: 13 Jun 2018 22:18

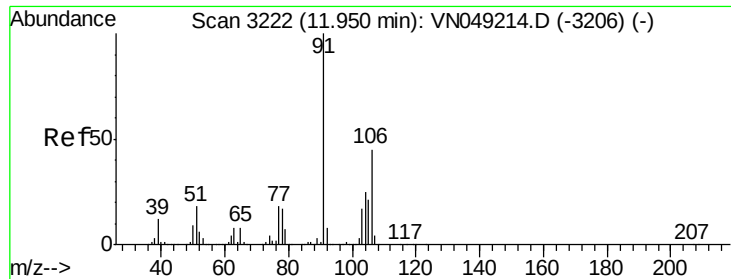
Tgt Ion: 106 Resp: 7306138

Ion Ratio Lower Upper

106 100

91 208.3 167.3 250.9





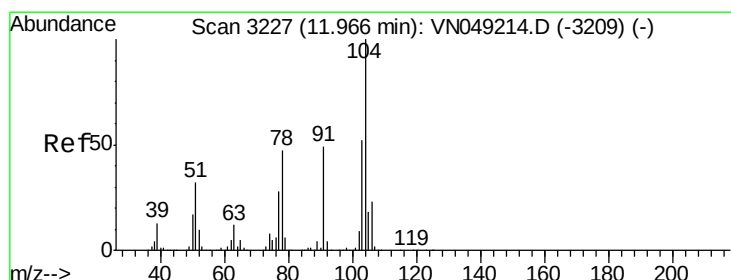
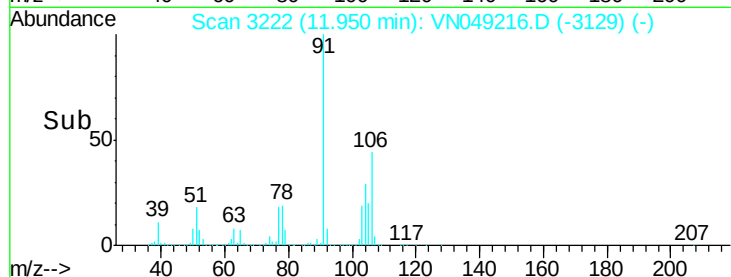
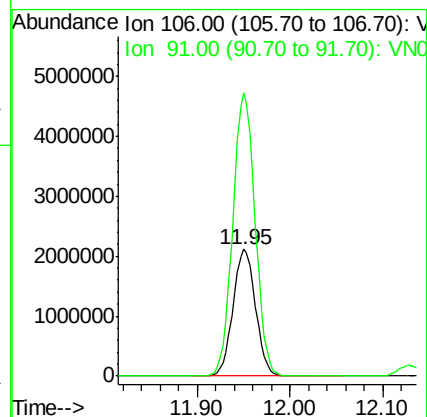
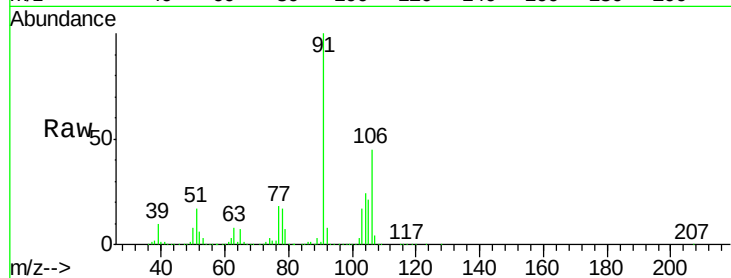
#69
o-Xylene
Concen: 151.38 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 3555246
Ion Ratio Lower Upper
106 100
91 221.1 111.0 333.0

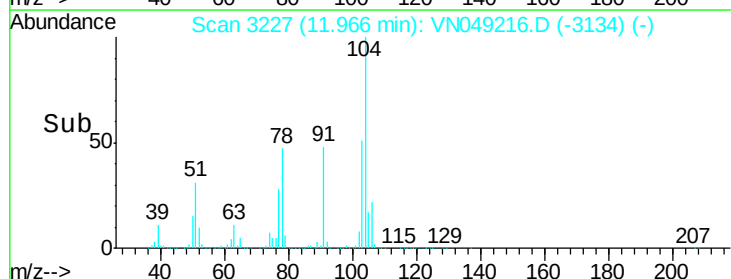
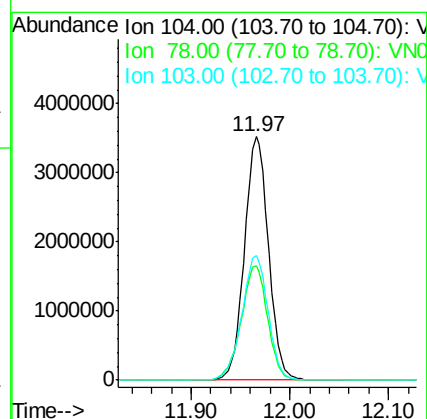
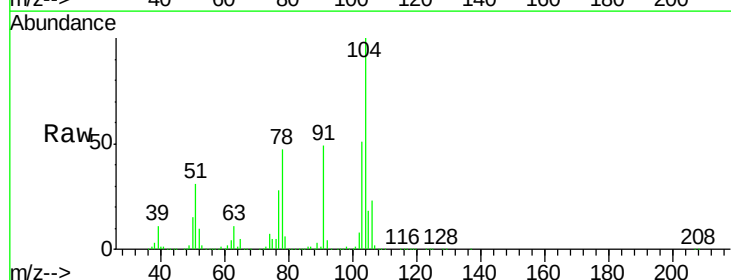
Manual Integrations
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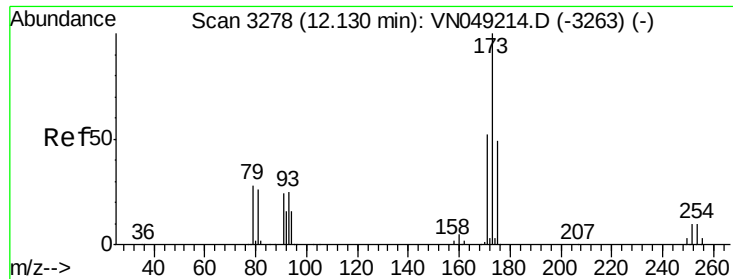
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#70
Styrene
Concen: 156.69 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion:104 Resp: 5914471
Ion Ratio Lower Upper
104 100
78 51.8 41.6 62.4
103 55.8 45.4 68.2





#71

Bromoform

Concen: 146.55 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 1321886

Ion Ratio Lower Upper

173 100

175 48.8 24.5 73.5

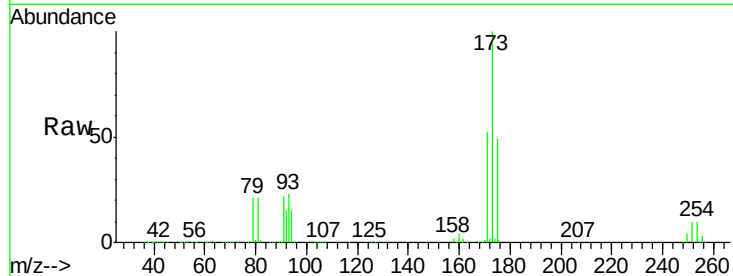
254 0.2 0.1 0.1#

Manual Integrations

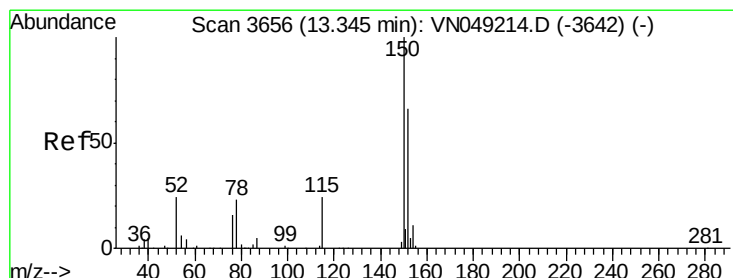
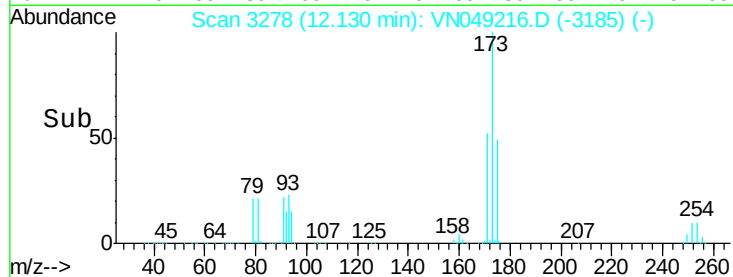
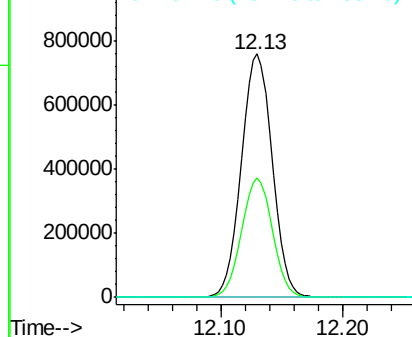
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

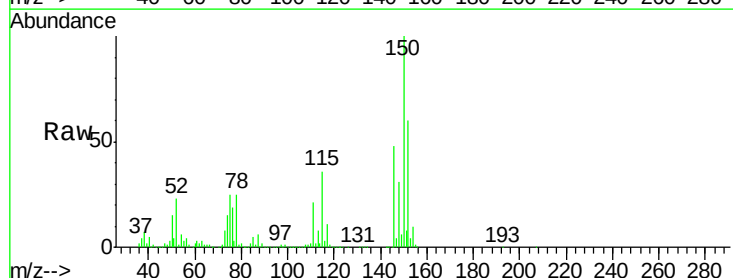
Tgt Ion:152 Resp: 735070

Ion Ratio Lower Upper

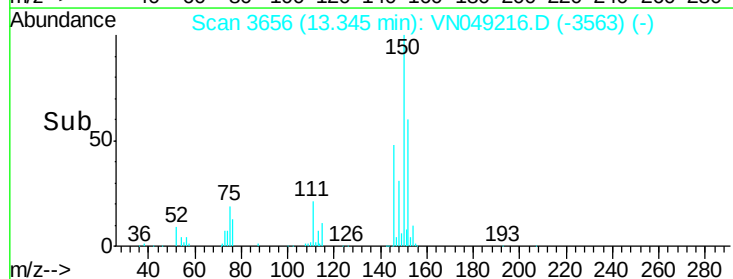
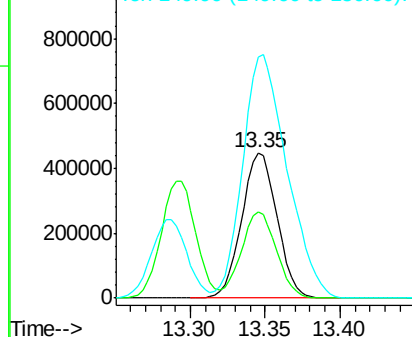
152 100

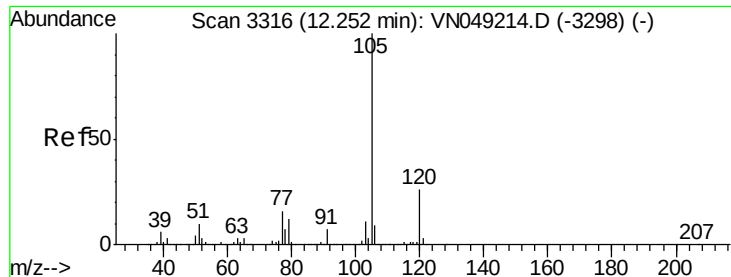
115 58.6 28.7 86.1

150 210.7 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 139.34 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 9496006

Ion Ratio Lower Upper

105 100

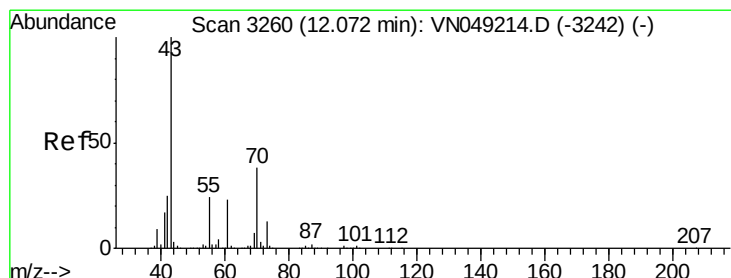
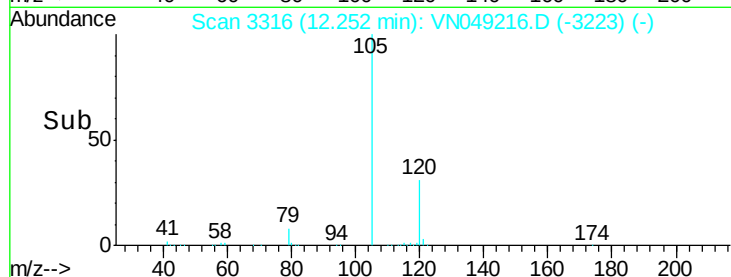
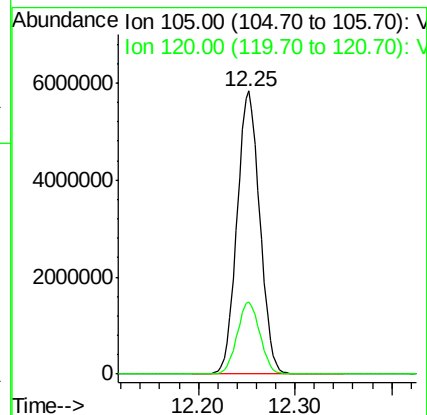
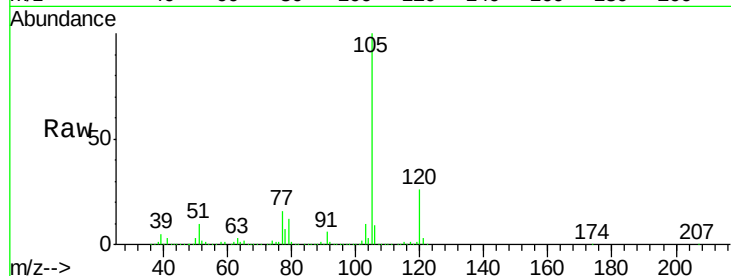
120 25.7 12.8 38.3

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#74

N-ethyl acetate

Concen: 147.19 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Tgt Ion: 43 Resp: 2979716

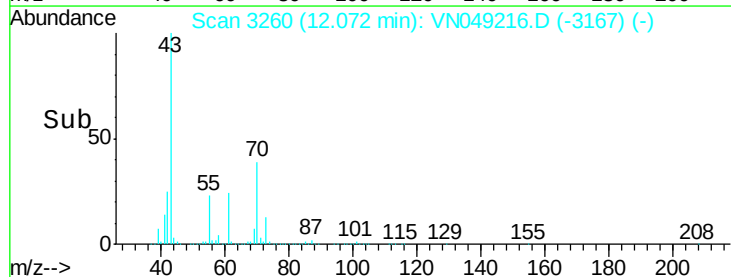
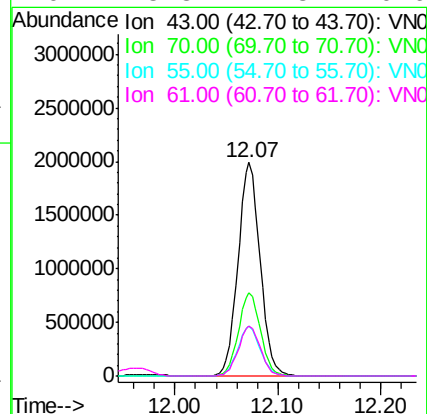
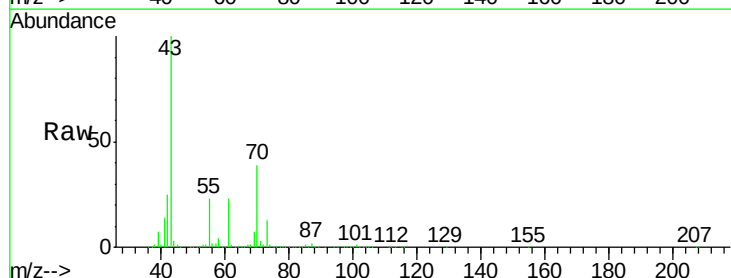
Ion Ratio Lower Upper

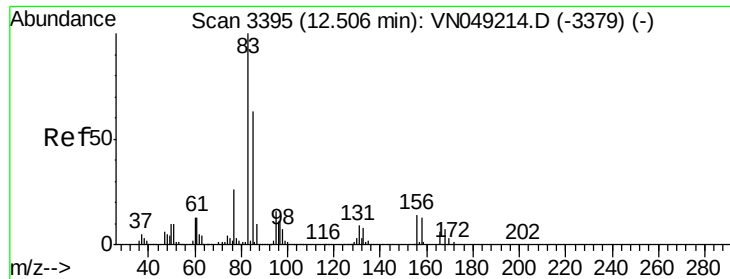
43 100

70 39.0 30.3 45.5

55 23.6 19.4 29.2

61 23.3 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 125.07 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 2080634

Ion Ratio Lower Upper

83 100

131 9.7 5.0 15.0

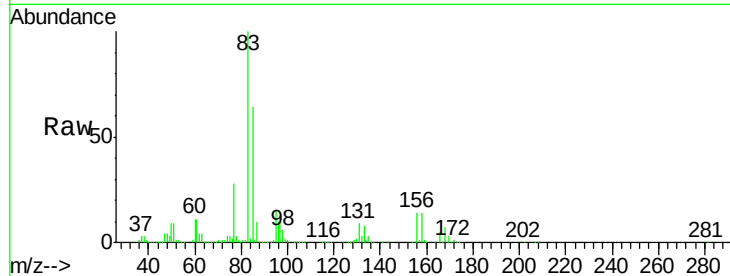
85 64.1 32.0 96.0

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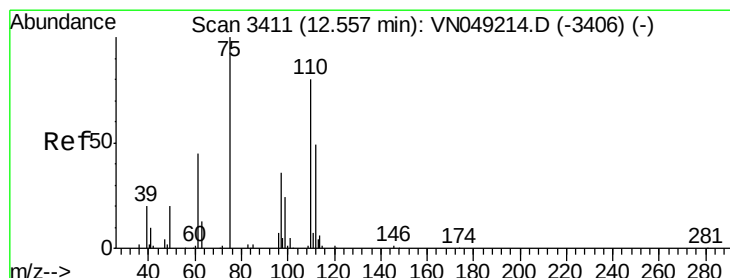
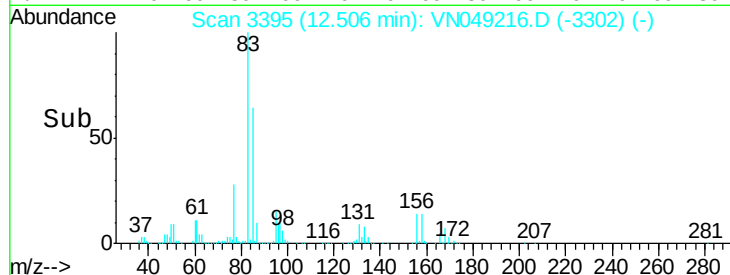
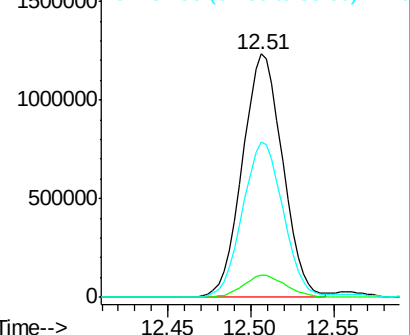
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 124.91 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049216.D

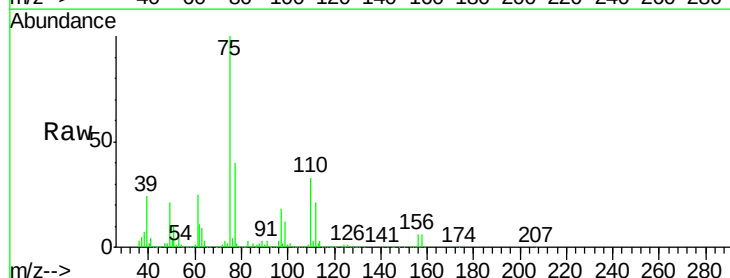
Acq: 13 Jun 2018 22:18

Tgt Ion: 75 Resp: 1767741

Ion Ratio Lower Upper

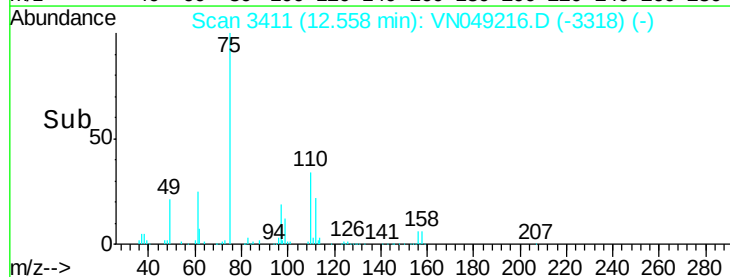
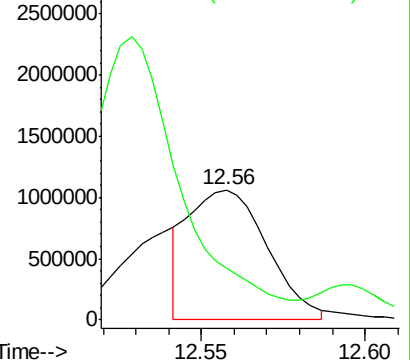
75 100

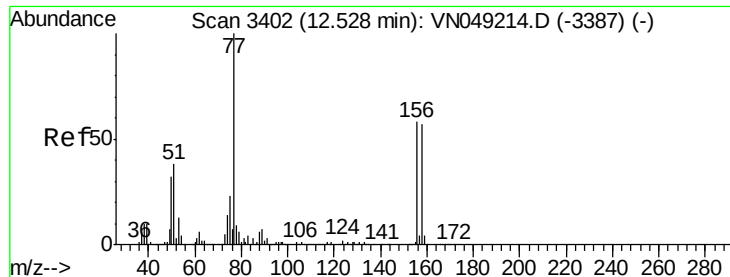
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 138.67 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 2219806

Ion Ratio Lower Upper

156 100

77 203.2 100.8 302.4

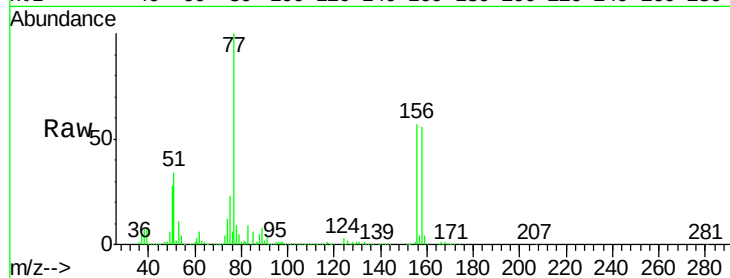
158 97.6 49.3 147.9

Manual Integrations

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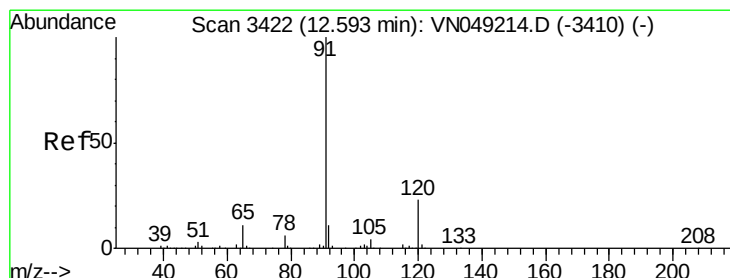
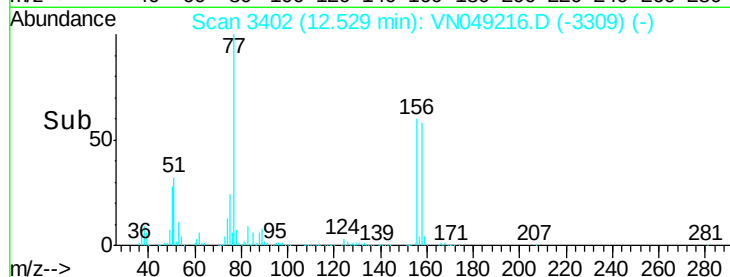
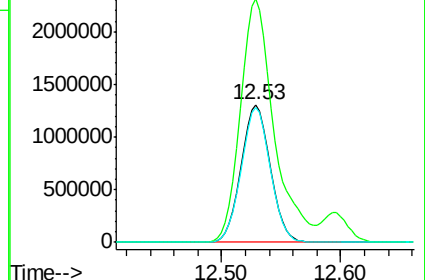
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 145.49 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049216.D

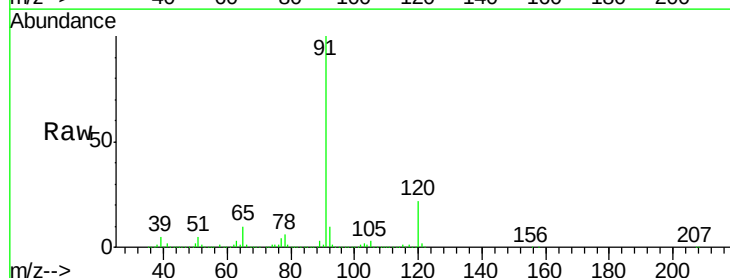
Acq: 13 Jun 2018 22:18

Tgt Ion: 91 Resp:11324954

Ion Ratio Lower Upper

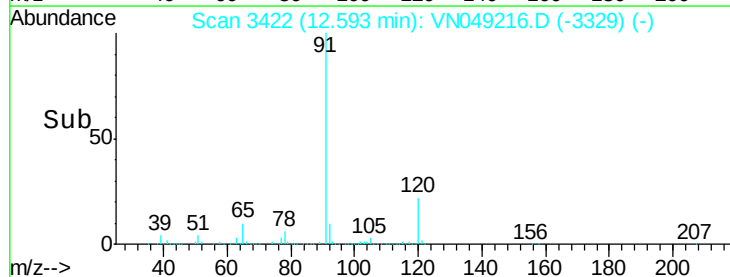
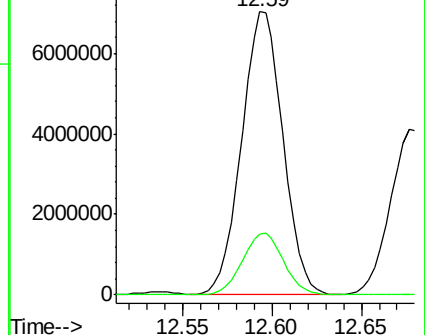
91 100

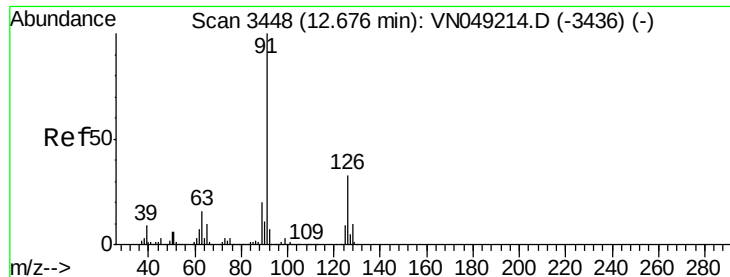
120 21.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 141.35 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 6679124

Ion Ratio Lower Upper

91 100

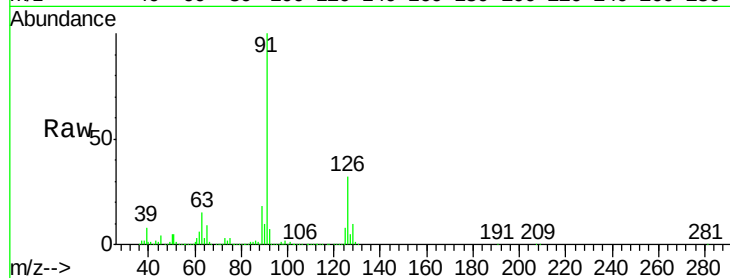
126 32.8 16.6 49.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN049214.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049214.D (-3436) (-)

6000000

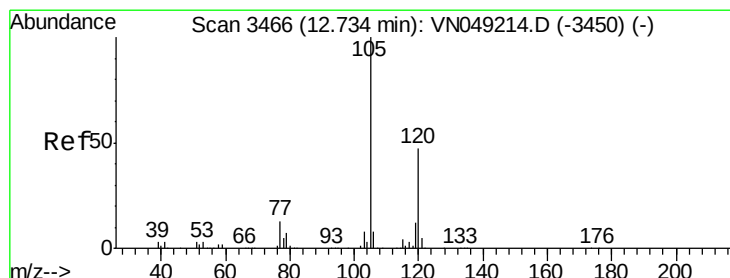
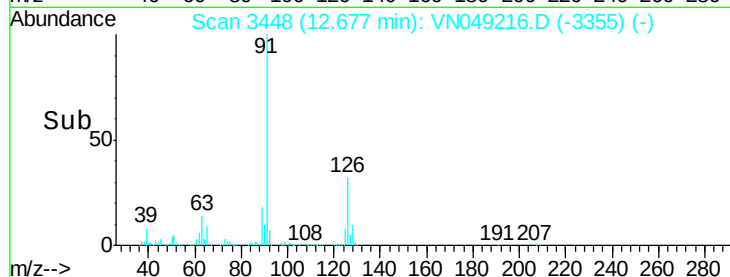
4000000

2000000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 142.80 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049216.D

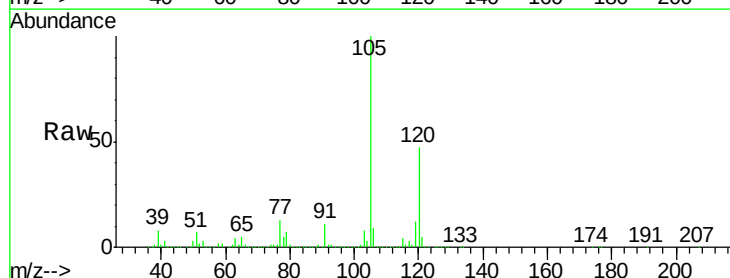
Acq: 13 Jun 2018 22:18

Tgt Ion: 105 Resp: 7775289

Ion Ratio Lower Upper

105 100

120 47.4 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049214.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN049214.D (-3450) (-)

5000000

4000000

3000000

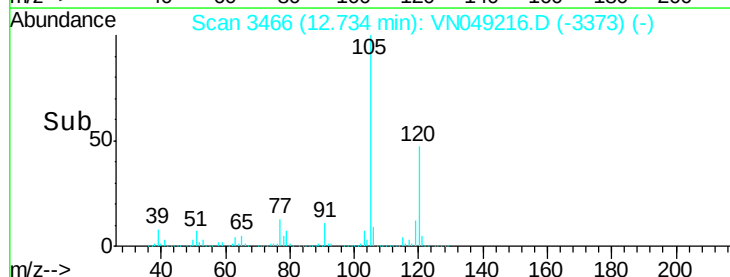
2000000

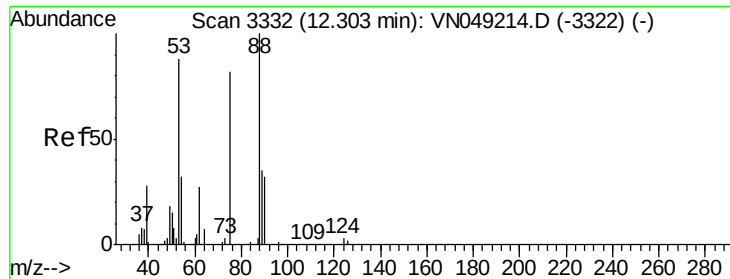
1000000

0

12.70 12.73 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 140.76 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 624726

Ion Ratio Lower Upper

75 100

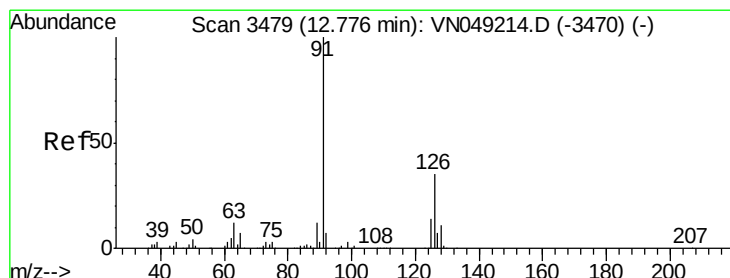
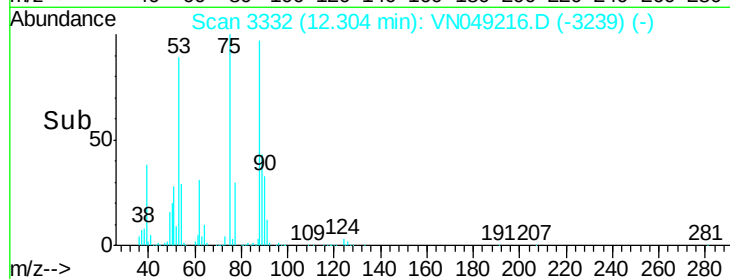
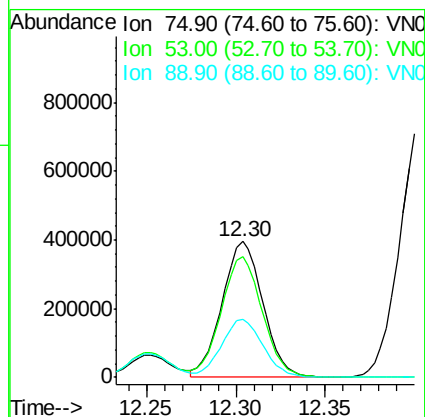
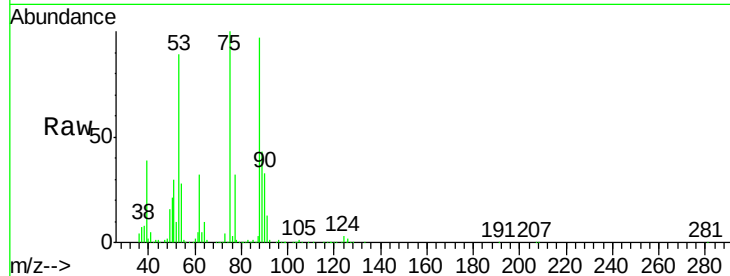
53 91.0 82.7 124.1

89 43.7 36.5 54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 145.13 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049216.D

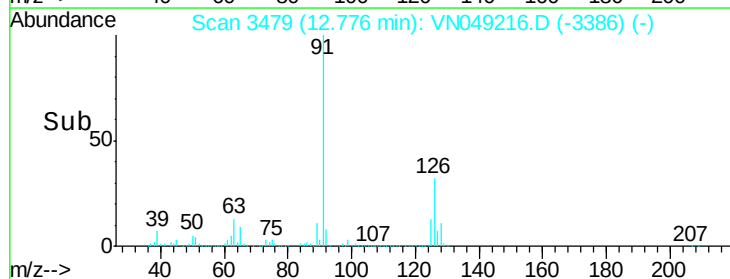
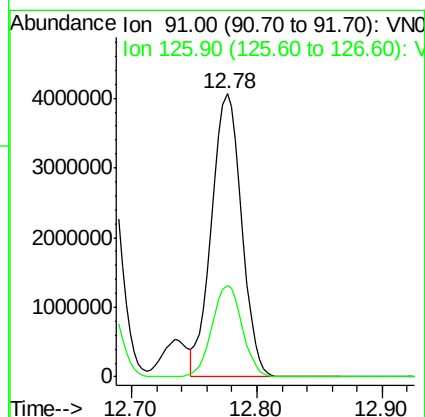
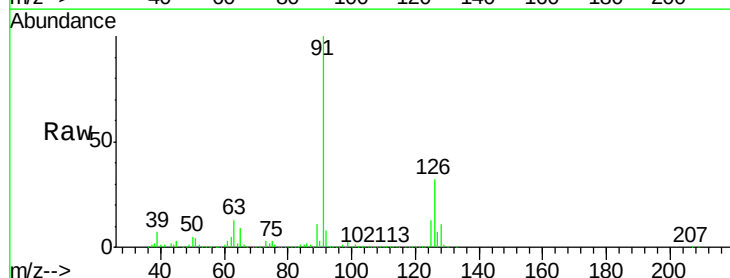
Acq: 13 Jun 2018 22:18

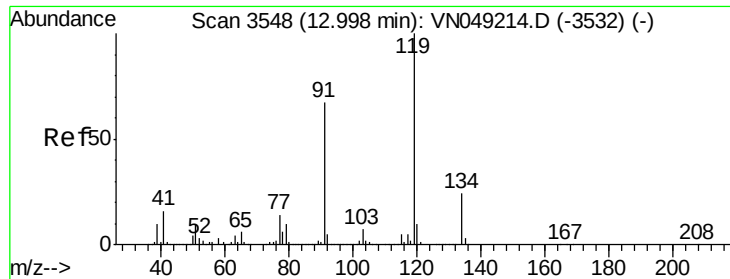
Tgt Ion: 91 Resp: 6754197

Ion Ratio Lower Upper

91 100

126 32.4 16.4 49.1





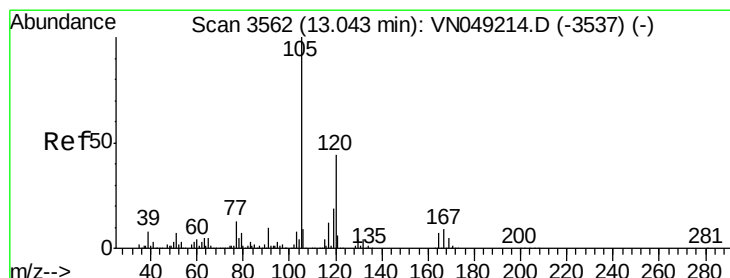
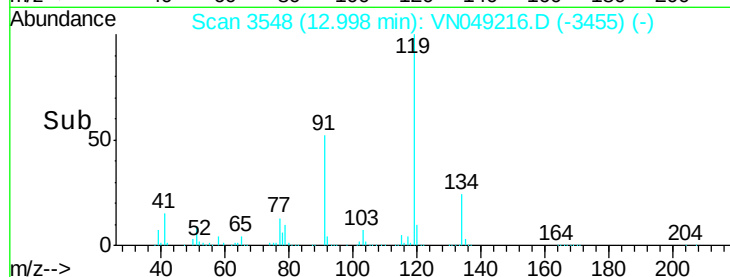
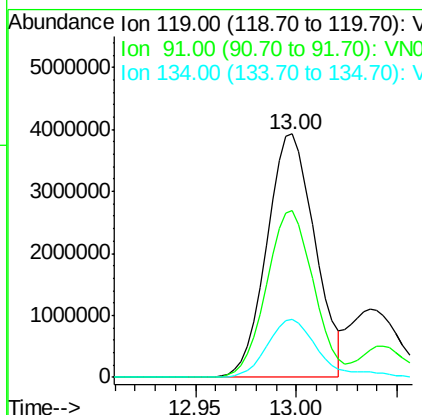
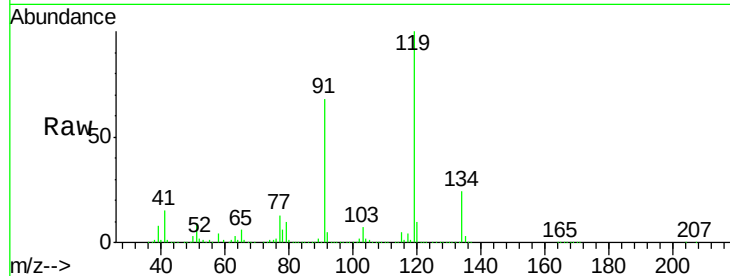
#83
 tert-Butylbenzene
 Concen: 141.44 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 6488267
 Ion Ratio Lower Upper
 119 100
 91 67.1 33.7 101.0
 134 25.4 12.9 38.6

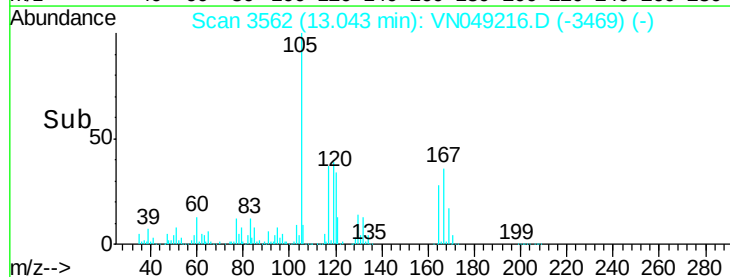
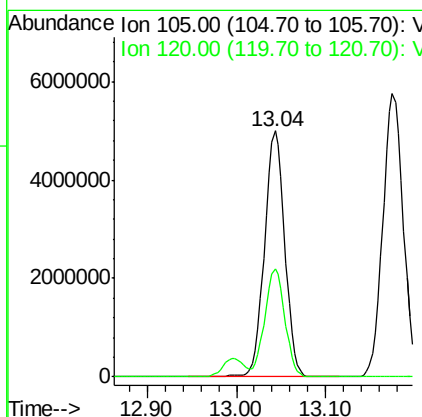
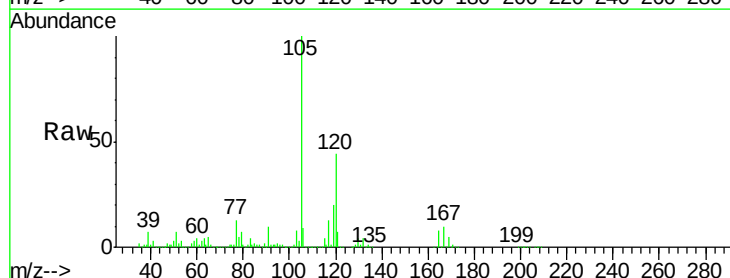
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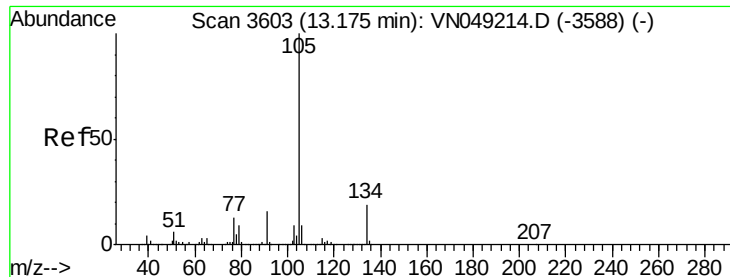
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#84
 1,2,4-Trimethylbenzene
 Concen: 143.78 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Tgt Ion:105 Resp: 7906546
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.2 66.6





#85

sec-Butylbenzene

Concen: 145.20 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 9073591

Ion Ratio Lower Upper

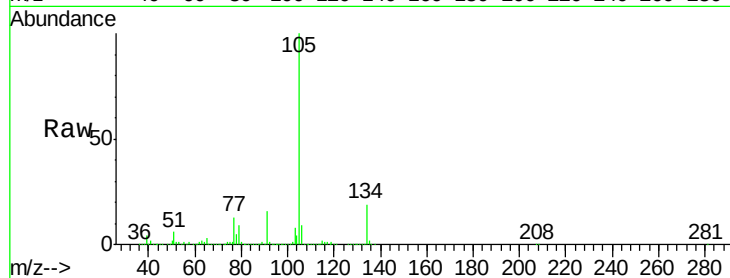
105 100

134 19.1 9.8 29.3

Manual Integrations
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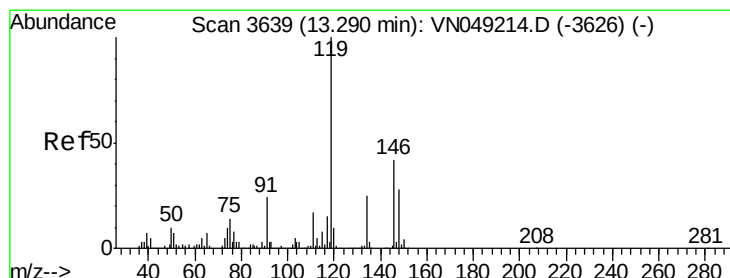
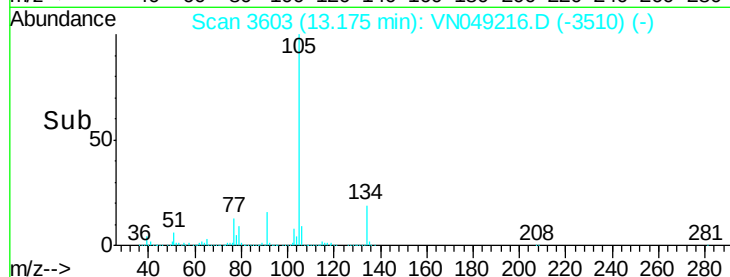
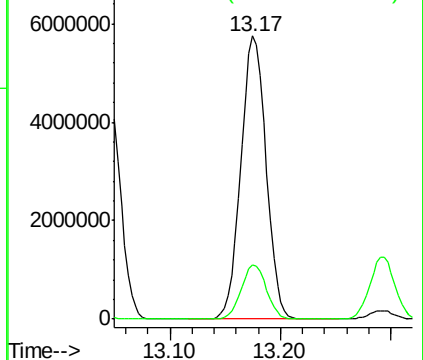
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 148.36 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

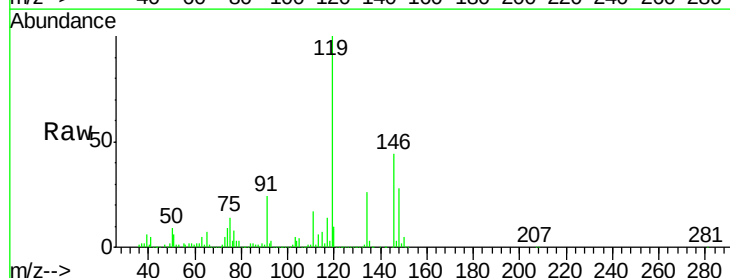
Tgt Ion:119 Resp: 7708091

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

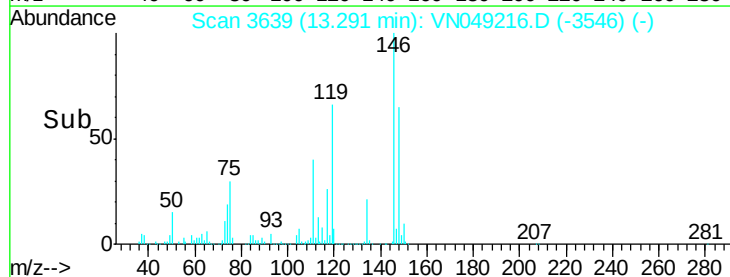
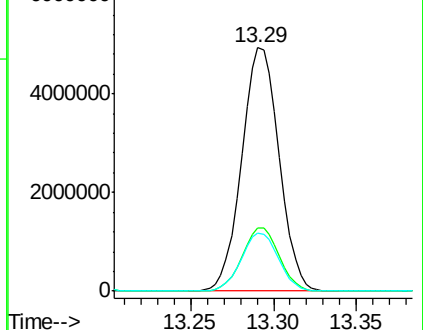
91 23.7 12.1 36.3

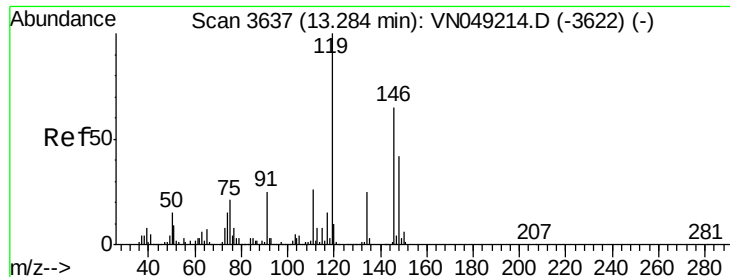


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





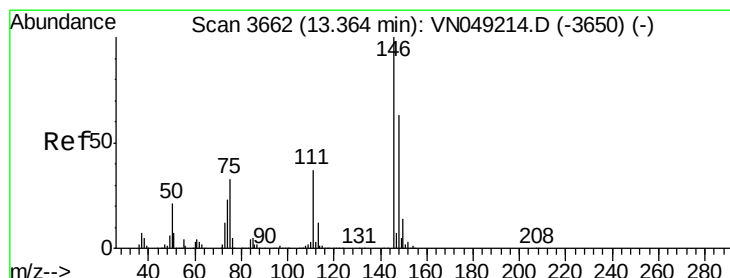
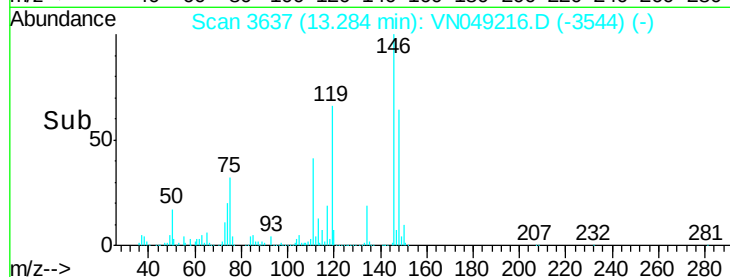
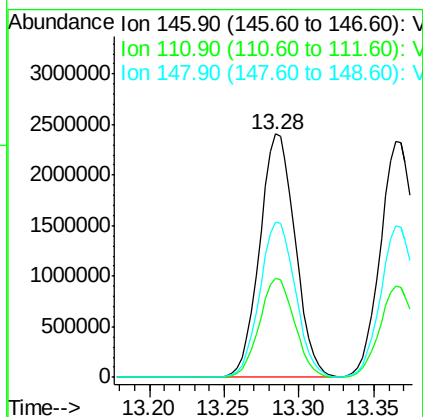
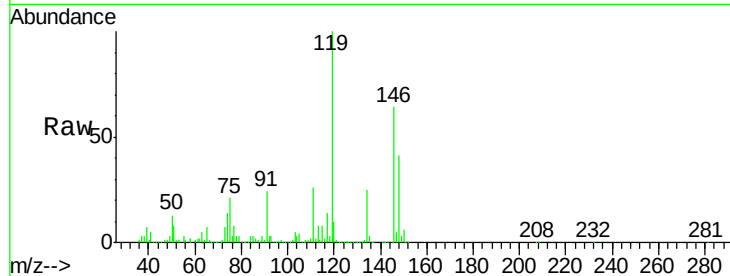
#87
 1,3-Dichlorobenzene
 Concen: 143.85 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.9	59.6
148	64.0	32.1	96.5

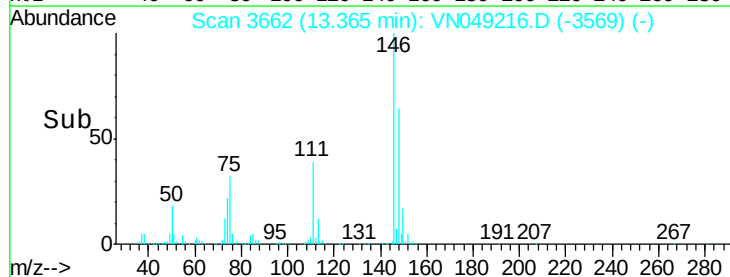
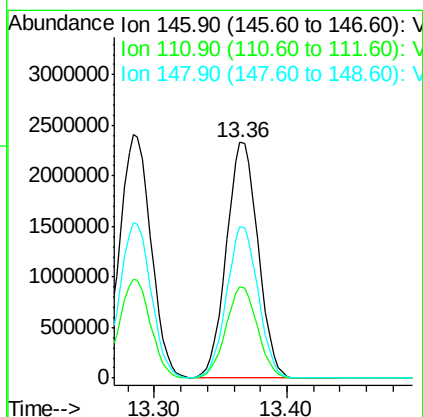
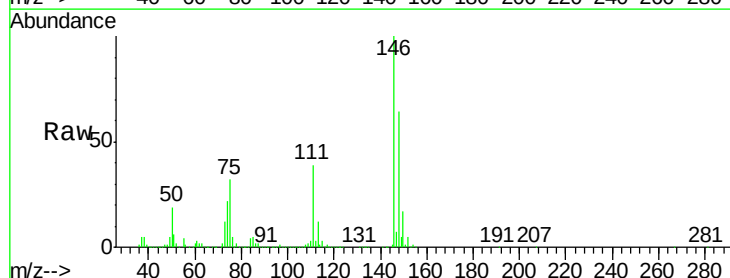
Manual Integrations
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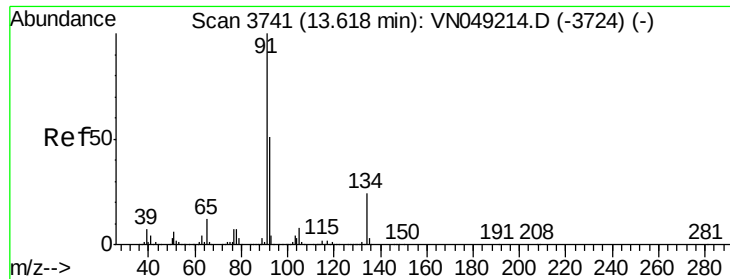
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 144.44 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.1
148	63.9	32.0	96.2





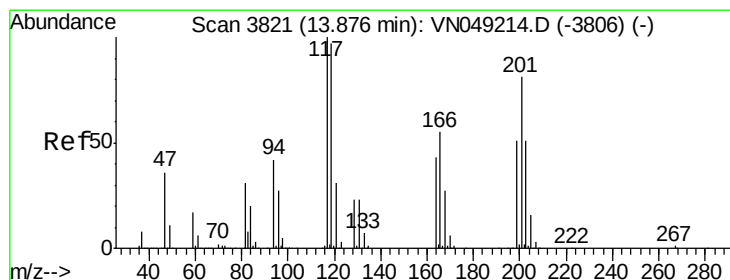
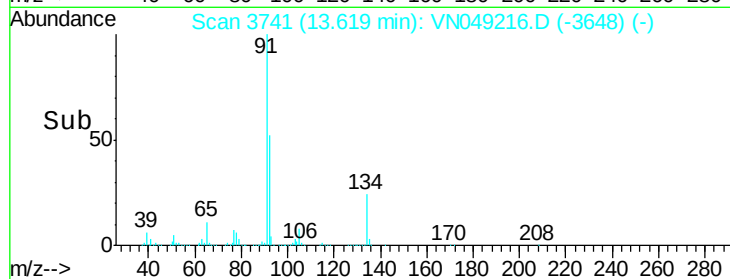
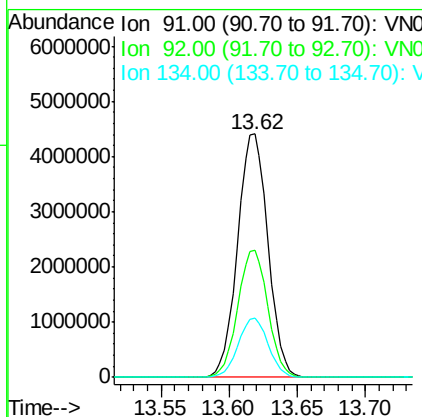
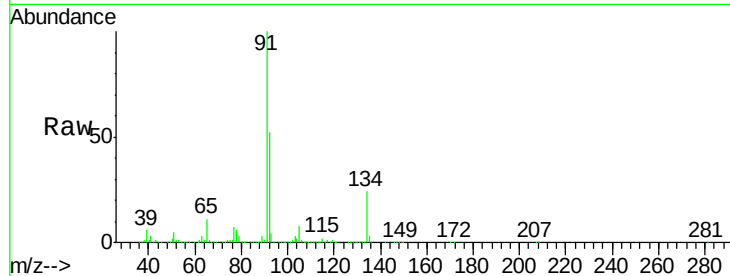
#89
n-Butylbenzene
Concen: 161.84 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.1	75.4
134	24.1	12.0	36.0

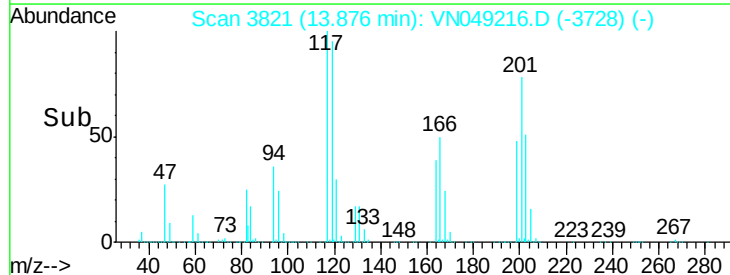
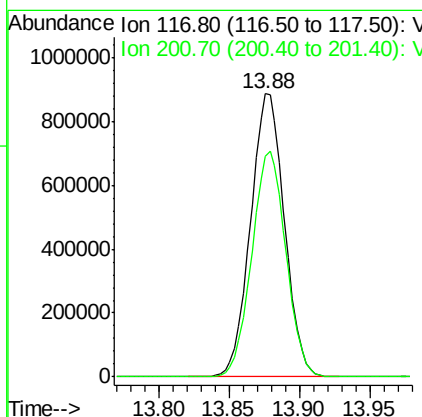
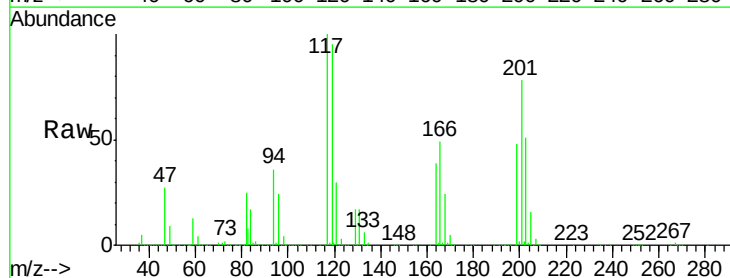
Manual Integrations
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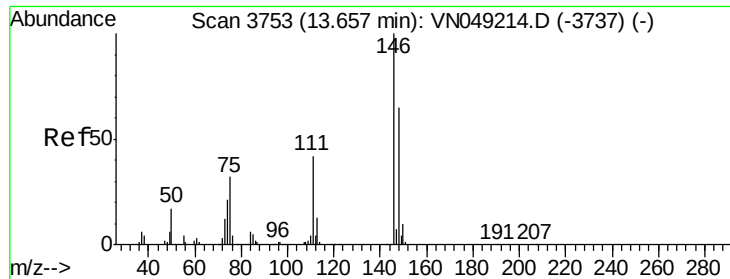
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#90
Hexachloroethane
Concen: 134.04 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	40.1	120.2





#91

1,2-Dichlorobenzene

Concen: 140.00 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 3708003

Ion Ratio Lower Upper

146 100

111 41.2 20.8 62.2

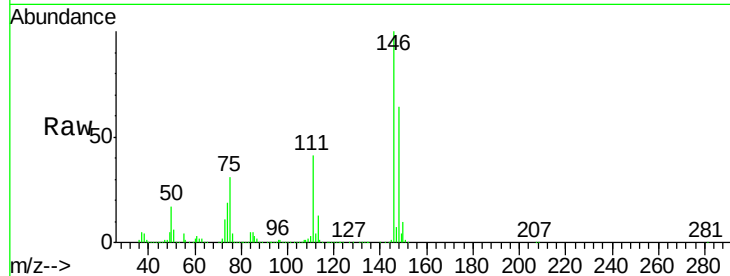
148 63.8 32.0 96.2

Manual Integrations

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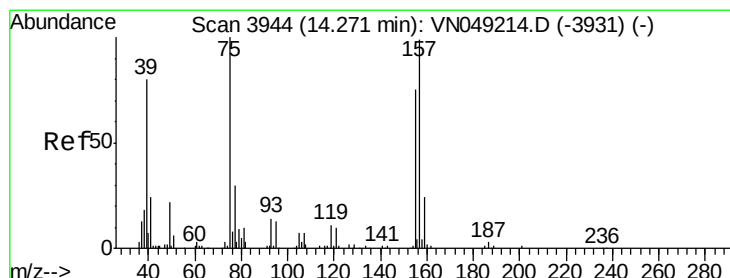
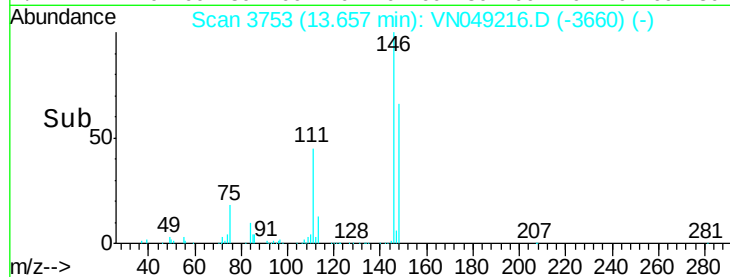
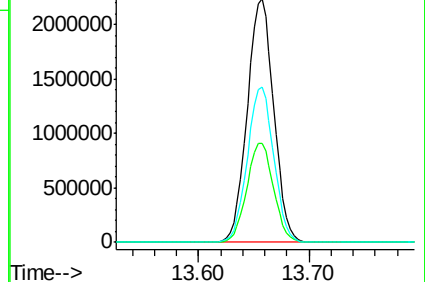
6/14/2018 5:07:32 PM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 136.47 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

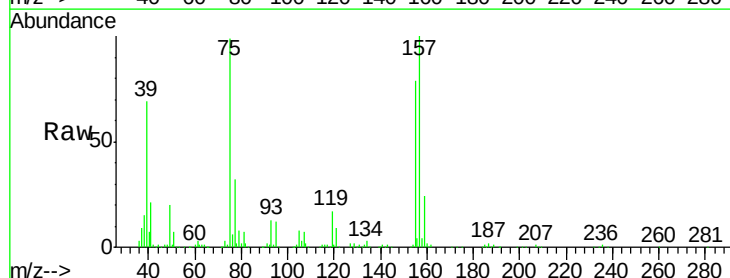
Tgt Ion: 75 Resp: 327823

Ion Ratio Lower Upper

75 100

155 80.5 38.8 116.3

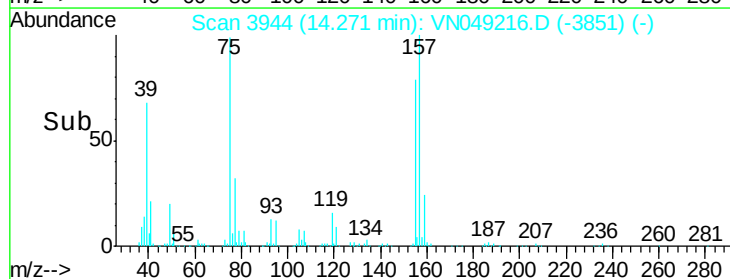
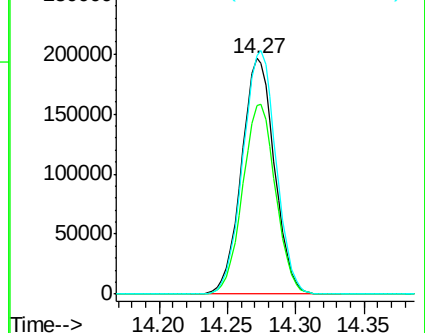
157 104.0 51.0 153.1

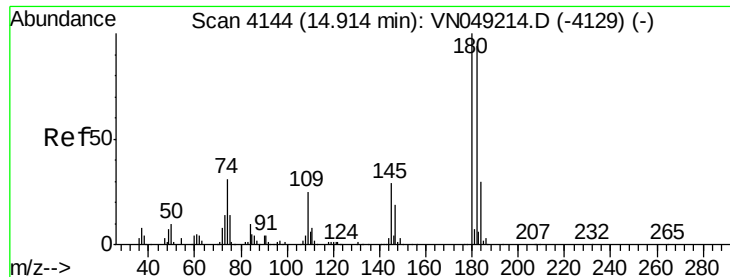


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





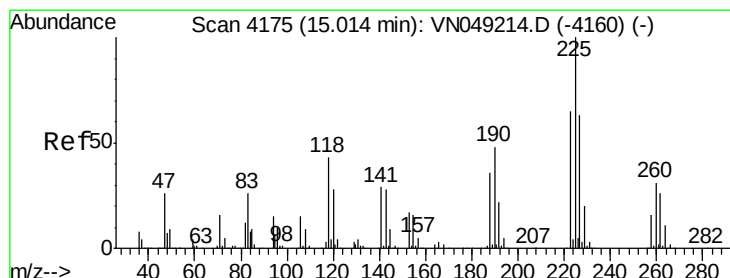
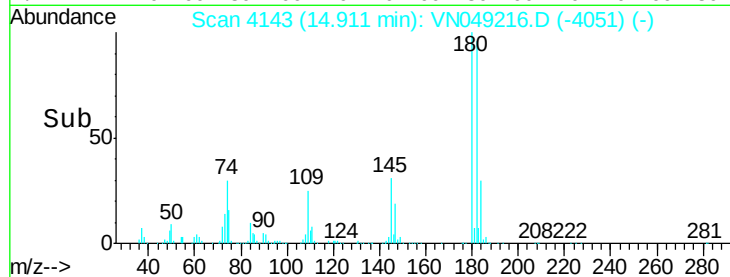
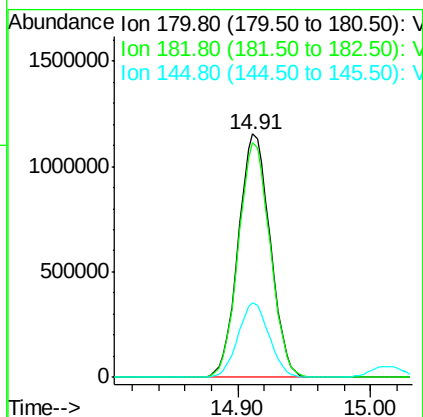
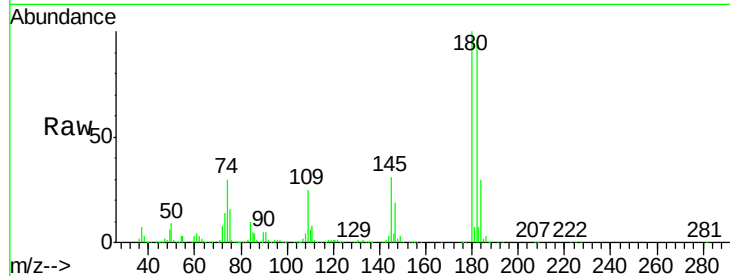
#93
 1,2,4-Trichlorobenzene
 Concen: 183.09 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.9	140.8
145	30.0	14.7	44.1

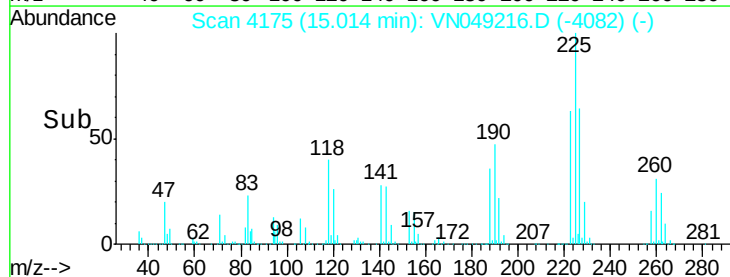
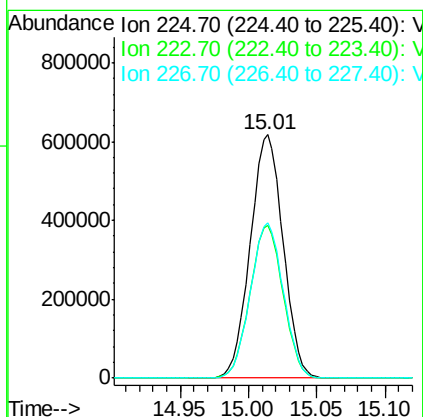
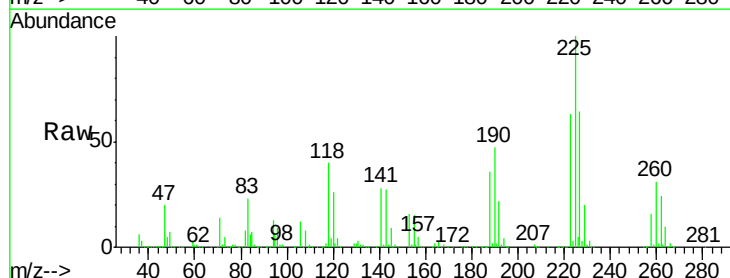
Manual Integrations
 APPROVED

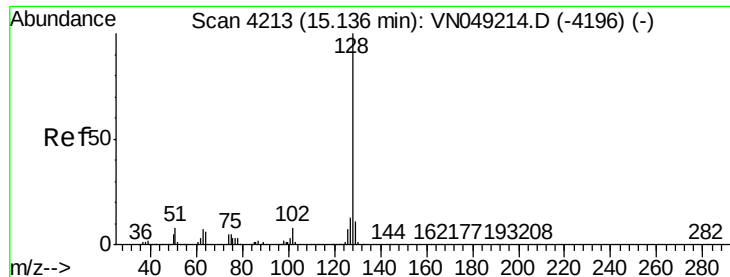
apatel
 6/14/2018 5:07:32 PM



#94
 Hexachlorobutadiene
 Concen: 128.95 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.1	96.3
227	64.1	31.8	95.3





#95

Naphthalene

Concen: 187.41 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 4308049

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

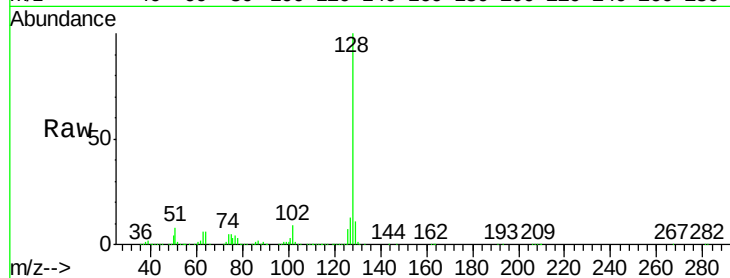
129 10.8 8.5 12.7

Manual Integrations

APPROVED

apatel

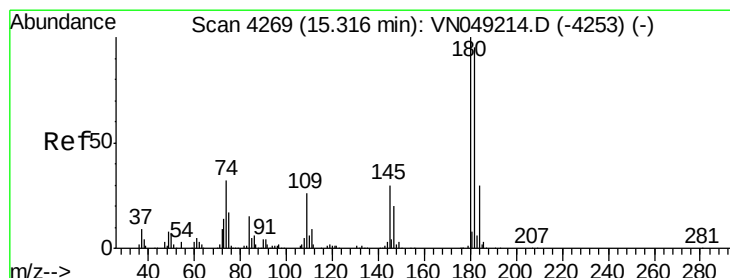
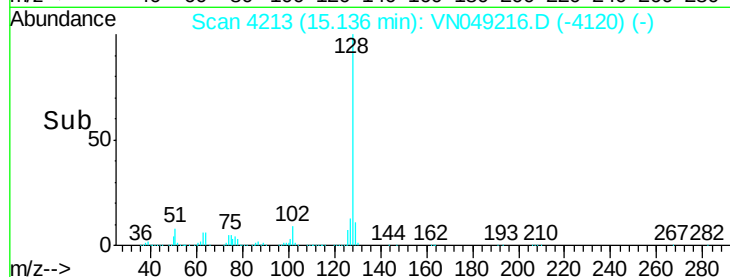
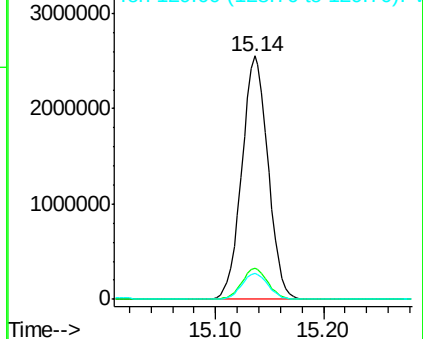
6/14/2018 5:07:32 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 175.48 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

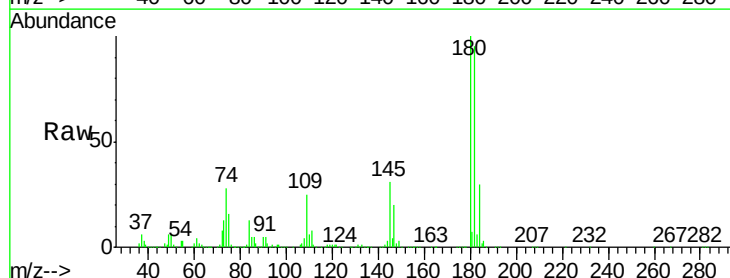
Tgt Ion:180 Resp: 1874079

Ion Ratio Lower Upper

180 100

182 95.2 47.3 141.8

145 31.6 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

