

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050782.D
 Acq On : 21 Aug 2018 11:09
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:18:52 AM

Quant Time: Aug 22 03:55:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 03:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	674410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	955177	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	882204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	465137	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	399730	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
35) Dibromofluoromethane	7.59	113	374940	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	10.09	98	1438743	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.40	95	476945	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	491054	54.41	ug/l	100
3) Chloromethane	2.06	50	534737	48.04	ug/l	100
4) Vinyl Chloride	2.18	62	525124	49.80	ug/l	100
5) Bromomethane	2.56	94	297088	43.77	ug/l	100
6) Chloroethane	2.70	64	295182	48.45	ug/l	100
7) Trichlorofluoromethane	3.01	101	667027	49.40	ug/l	100
8) Diethyl Ether	3.41	74	224528	48.90	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	409058	48.49	ug/l	100
10) Methyl Iodide	3.95	142	331709	49.53	ug/l	100
11) Tert butyl alcohol	4.79	59	129462	250.41	ug/l	100
12) 1,1-Dichloroethene	3.73	96	376743	49.74	ug/l	100
13) Acrolein	3.61	56	75205	266.31	ug/l	100
14) Allyl chloride	4.32	41	596212	50.51	ug/l	100
15) Acrylonitrile	4.99	53	662255	252.05	ug/l	100
16) Acetone	3.82	43	478722	213.85	ug/l	100
17) Carbon Disulfide	4.05	76	1196447	47.12	ug/l	100
18) Methyl Acetate	4.33	43	349967	45.33	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	986032	51.75	ug/l	100
20) Methylene Chloride	4.55	84	426895	46.65	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	403600	49.44	ug/l	100
22) Diisopropyl ether	5.95	45	1223434	52.01	ug/l	100
23) Vinyl Acetate	5.90	43	4023126	265.58	ug/l	100
24) 1,1-Dichloroethane	5.85	63	733409	48.57	ug/l	100
25) 2-Butanone	6.84	43	738337	225.66	ug/l	100
26) 2,2-Dichloropropane	6.83	77	584811	48.19	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	441224	49.96	ug/l	100
28) Bromochloromethane	7.20	49	329643	51.37	ug/l	100
29) Tetrahydrofuran	7.21	42	490136	261.28	ug/l	100
30) Chloroform	7.37	83	730406	48.84	ug/l	100
31) Cyclohexane	7.65	56	669409	44.62	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	620202	48.29	ug/l	100
36) 1,1-Dichloropropene	7.79	75	570890	50.65	ug/l	100
37) Ethyl Acetate	6.93	43	336285	54.22	ug/l	100
38) Carbon Tetrachloride	7.77	117	563951	49.50	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	629803	51.65	ug/l	100
40) Benzene	8.04	78	1715540	50.47	ug/l	100
41) Methacrylonitrile	7.18	41	172131	52.50	ug/l	100
42) 1,2-Dichloroethane	8.13	62	509934	50.18	ug/l	100
43) Isopropyl Acetate	8.17	43	573234	51.49	ug/l	100
44) Trichloroethene	8.84	130	445698	49.72	ug/l	100
45) 1,2-Dichloropropane	9.12	63	443865	49.69	ug/l	100
46) Dibromomethane	9.21	93	261725	49.86	ug/l	100
47) Bromodichloromethane	9.40	83	553969	50.39	ug/l	100
48) Methyl methacrylate	9.20	41	296223	52.21	ug/l	100
49) 1,4-Dioxane	9.20	88	82620	1068.23	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1646101	247.78	ug/l	100
52) Toluene	10.16	92	1045381	51.92	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	560042	51.18	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	648116	51.72	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	371166	49.67	ug/l	100
56) Ethyl methacrylate	10.43	69	462022	54.51	ug/l	100
57) 1,3-Dichloropropane	10.71	76	627646	50.88	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1004856	277.66	ug/l	100
59) 2-Hexanone	10.75	43	1095753	247.76	ug/l	100
60) Dibromochloromethane	10.90	129	427269	51.06	ug/l	100
61) 1,2-Dibromoethane	11.01	107	370025	51.21	ug/l	100
64) Tetrachloroethene	10.63	164	412368	49.21	ug/l	100
65) Chlorobenzene	11.43	112	1142499	49.55	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	420885	49.89	ug/l	100
67) Ethyl Benzene	11.51	91	1964181	52.40	ug/l	100
68) m/p-Xylenes	11.62	106	1529432	107.49	ug/l	100
69) o-Xylene	11.95	106	731428	53.47	ug/l	100
70) Styrene	11.96	104	1186839	55.50	ug/l	100
71) Bromoform	12.13	173	297151	51.22	ug/l	100
73) Isopropylbenzene	12.25	105	1931094	50.14	ug/l	100
74) N-amyl acetate	12.07	43	492961	50.94	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	469531	45.24	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	374166m	47.44	ug/l	
77) Bromobenzene	12.53	156	493126	47.11	ug/l	100
78) n-propylbenzene	12.59	91	2217458	51.54	ug/l	100
79) 2-Chlorotoluene	12.67	91	1317867	49.17	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1611901	51.87	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	120858	50.15	ug/l	100
82) 4-Chlorotoluene	12.77	91	1329745	50.26	ug/l	100
83) tert-Butylbenzene	12.99	119	1364511	50.70	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1652150	52.85	ug/l	100
85) sec-Butylbenzene	13.17	105	1811383	51.36	ug/l	100
86) p-Isopropyltoluene	13.29	119	1597762	53.17	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	875025	49.26	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	845211	48.35	ug/l	100
89) n-Butylbenzene	13.61	91	1281820	53.33	ug/l	100
90) Hexachloroethane	13.87	117	277396	44.60	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	841451	49.10	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	66374	47.99	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	405474	54.36	ug/l	100
94) Hexachlorobutadiene	15.01	225	257061	46.00	ug/l	100
95) Naphthalene	15.13	128	809132	54.98	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	388045	53.42	ug/l	100

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

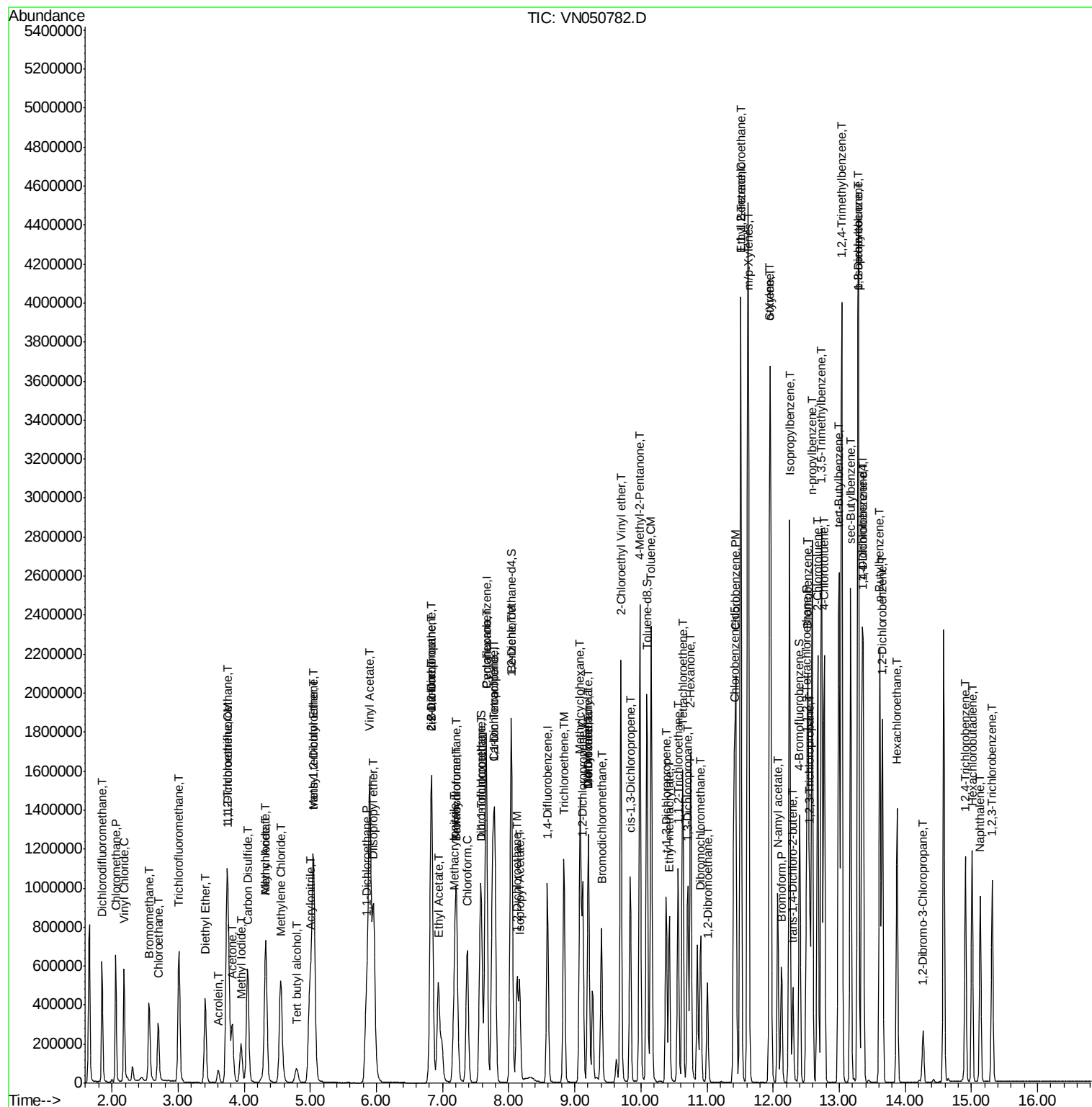
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 674410

Ion Ratio Lower Upper

168 100

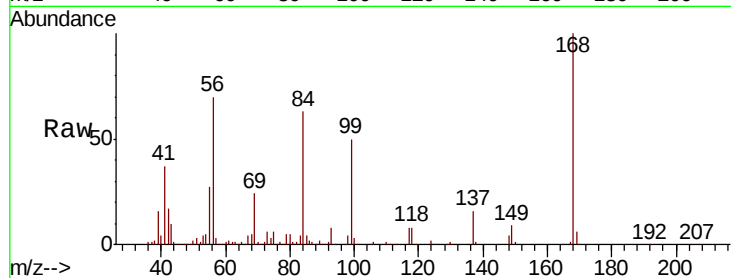
99 49.5 39.6 59.4

Manual Integrations

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8/22/2018 11:18:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

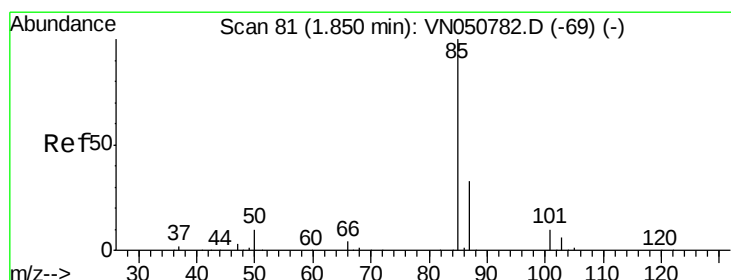
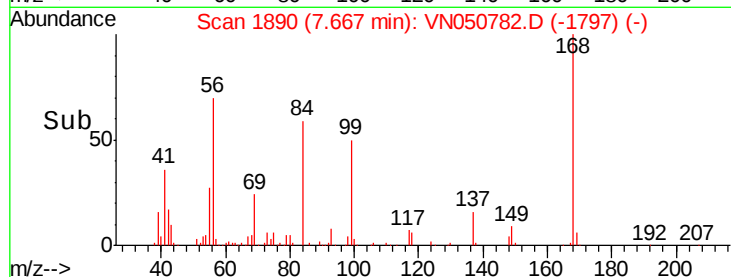
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.41 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050782.D

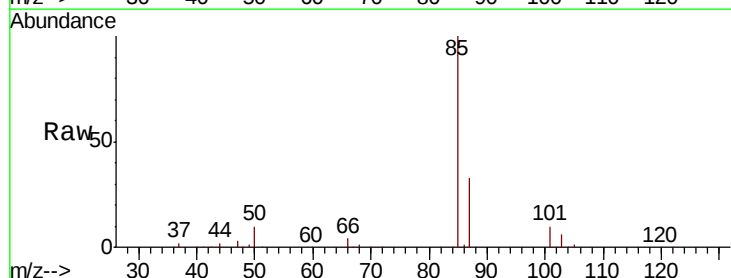
Acq: 21 Aug 2018 11:09

Tgt Ion: 85 Resp: 491054

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

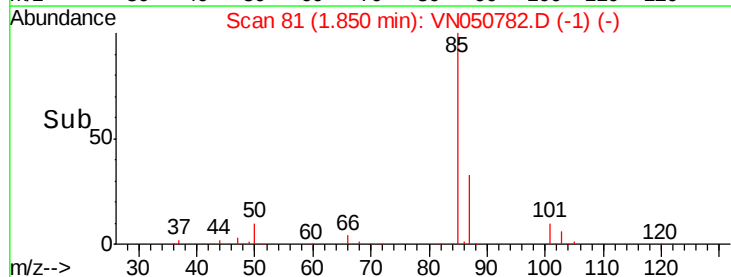
300000

200000

100000

0

Time-->





#3

Chloromethane

Concen: 48.04 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 534737

Ion Ratio Lower Upper

50 100

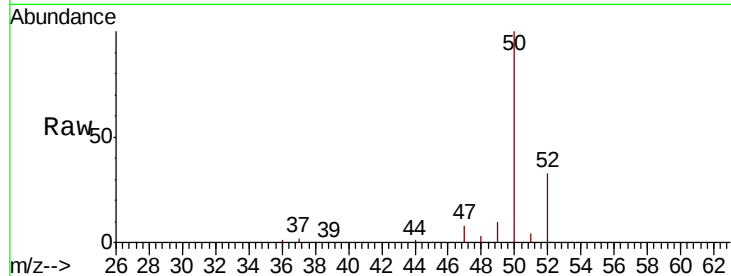
52 32.9 26.3 39.5

Manual Integrations

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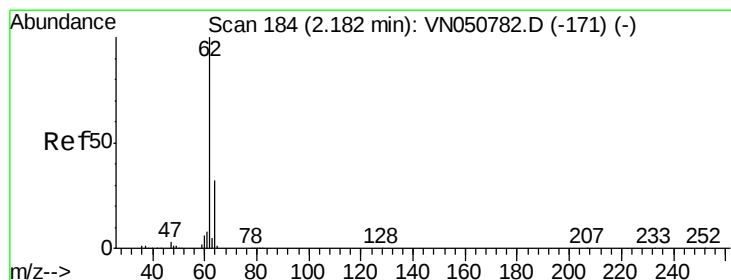
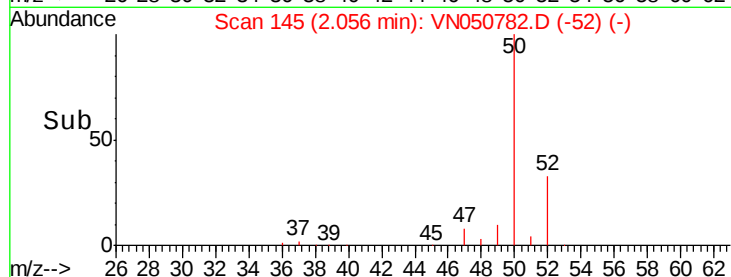
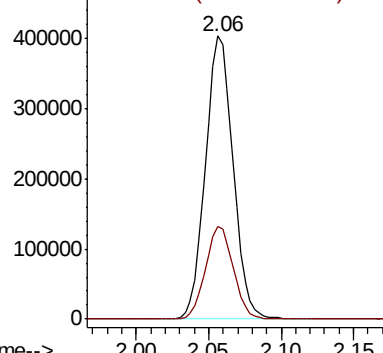
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 49.80 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050782.D

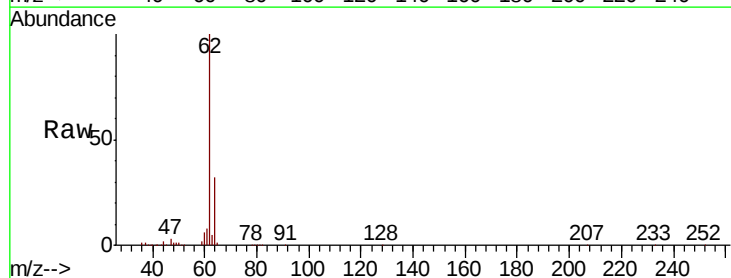
Acq: 21 Aug 2018 11:09

Tgt Ion: 62 Resp: 525124

Ion Ratio Lower Upper

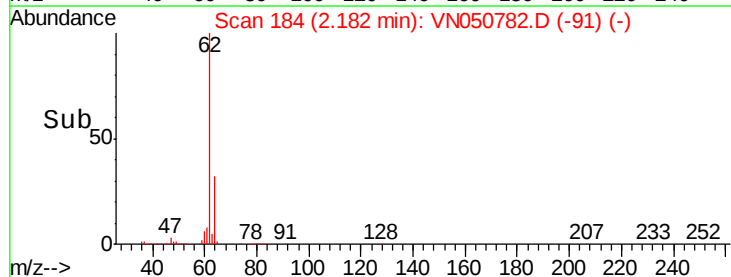
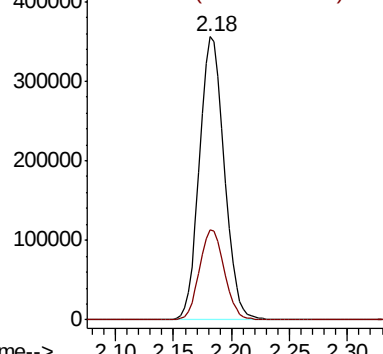
62 100

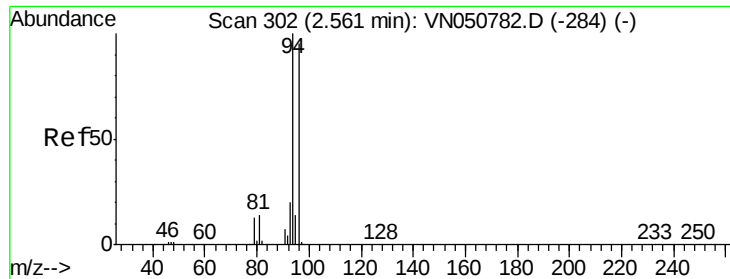
64 31.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 43.77 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 297088

Ion Ratio Lower Upper

94 100

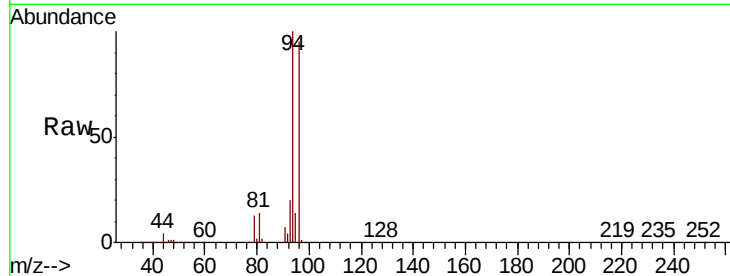
96 95.2 76.2 114.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

150000

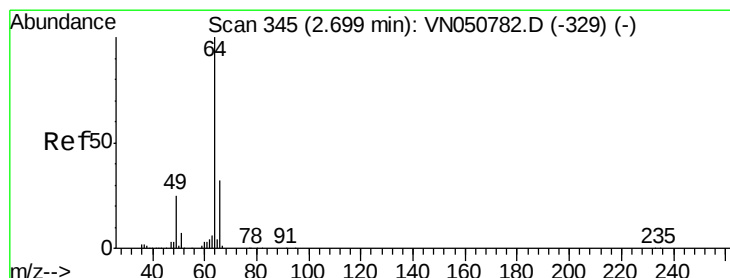
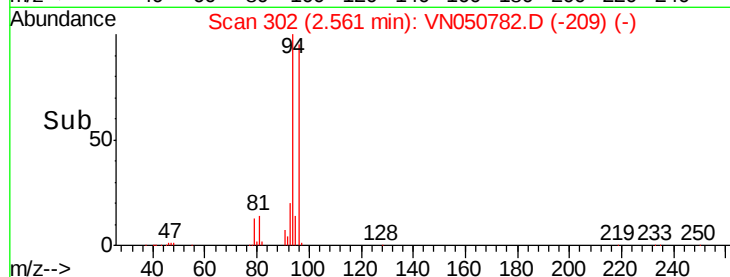
2.56

100000

50000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 48.45 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050782.D

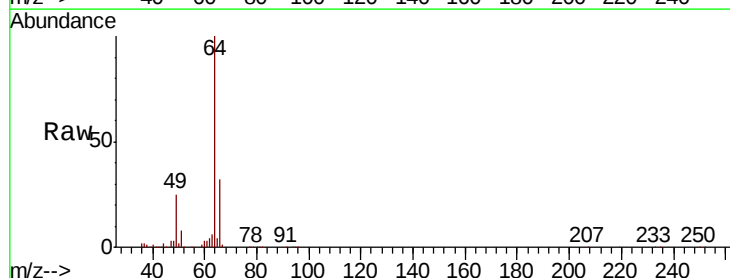
Acq: 21 Aug 2018 11:09

Tgt Ion: 64 Resp: 295182

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

150000

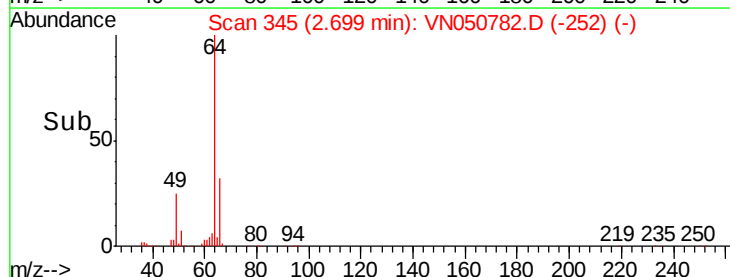
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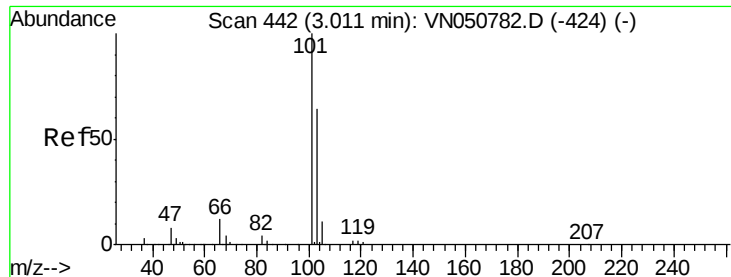
100000

50000

0

Time--> 2.60 2.70 2.80





#7

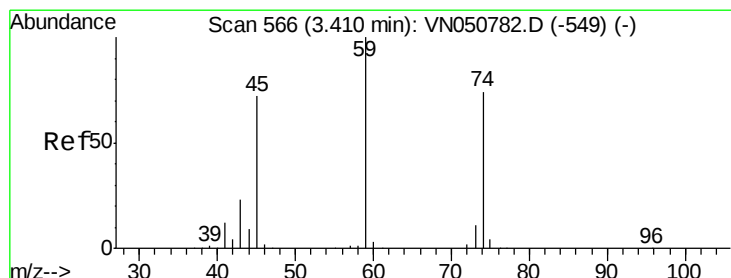
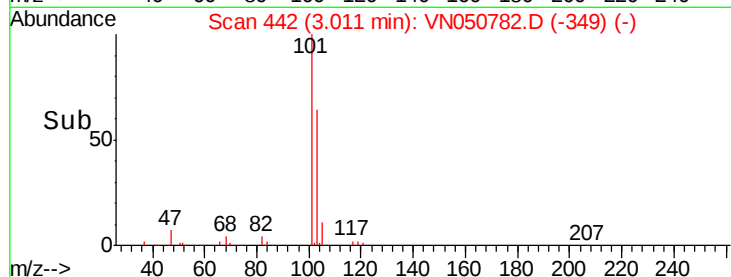
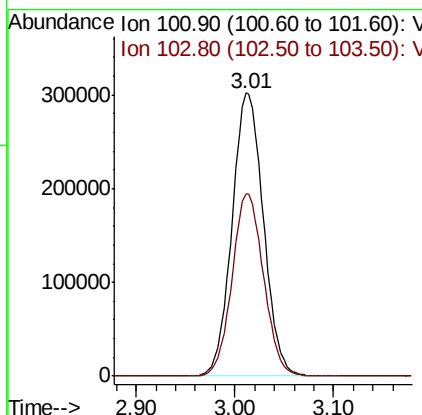
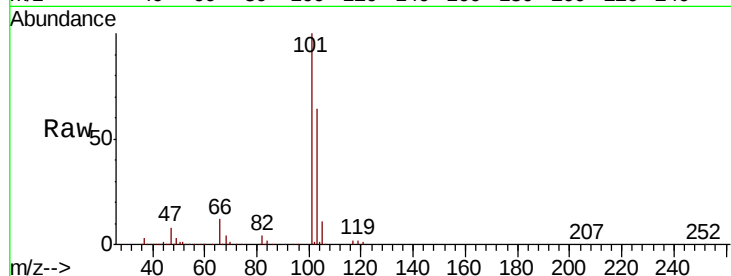
Trichlorofluoromethane
 Concen: 49.40 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.6	77.4

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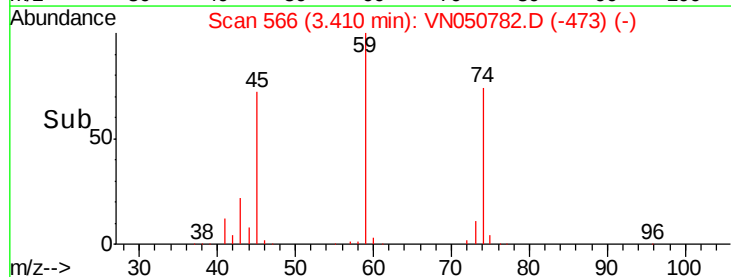
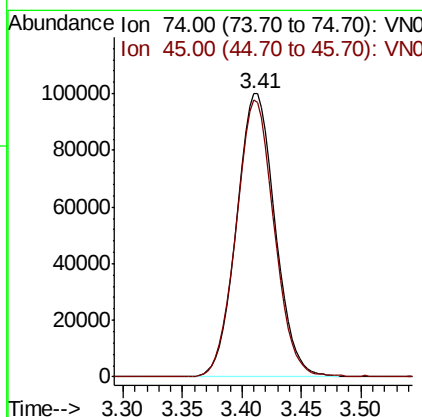
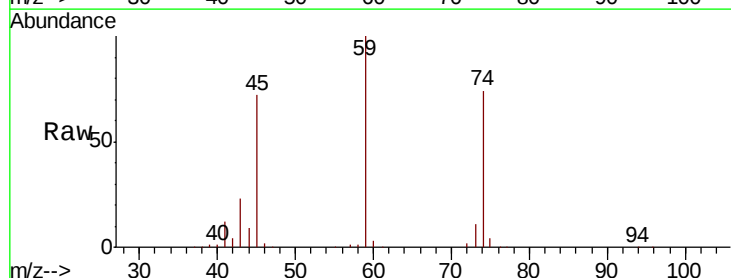
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 8/22/2018 11:18:52 AM



#8

Diethyl Ether
 Concen: 48.90 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.49 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Instrument :

MSVOA_N

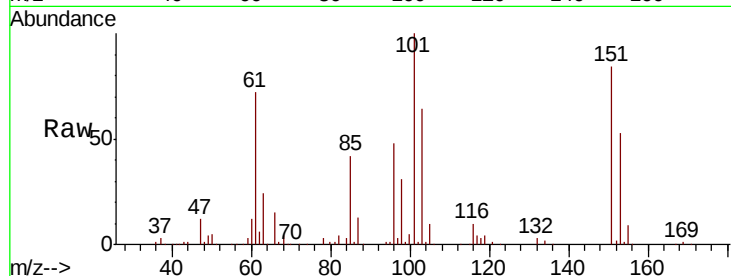
ClientSampleId :

VSTDICCC050

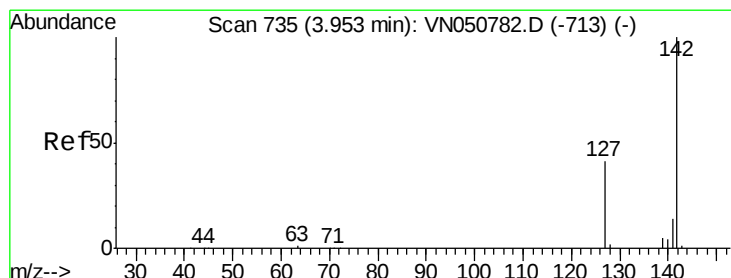
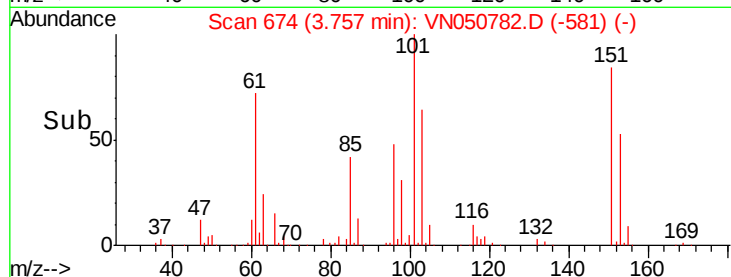
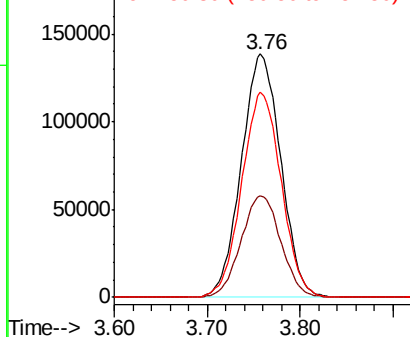
Tot Ion:	101	Resp:	409058
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.7	50.5
151	84.3	67.4	101.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.53 ug/l

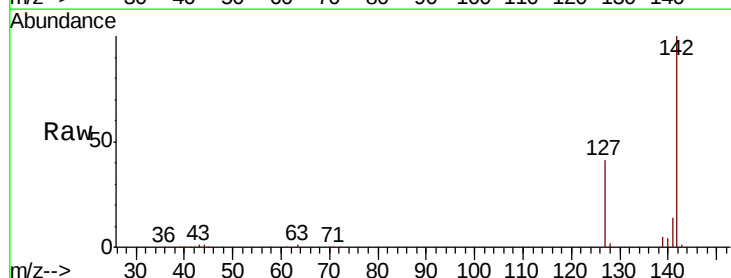
RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

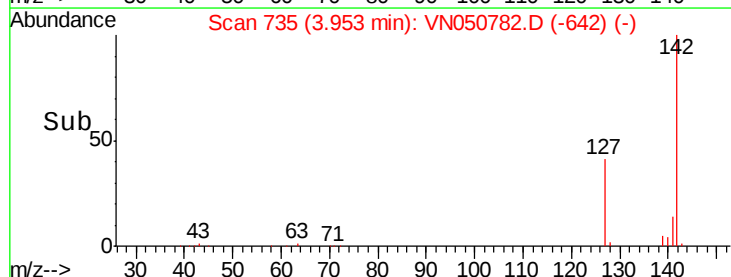
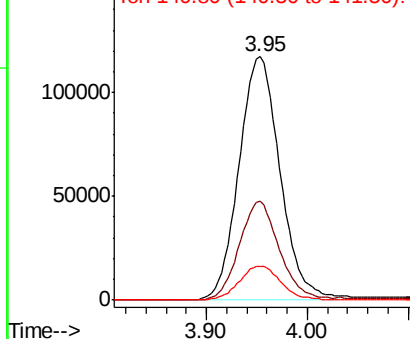
Lab File: VN050782.D

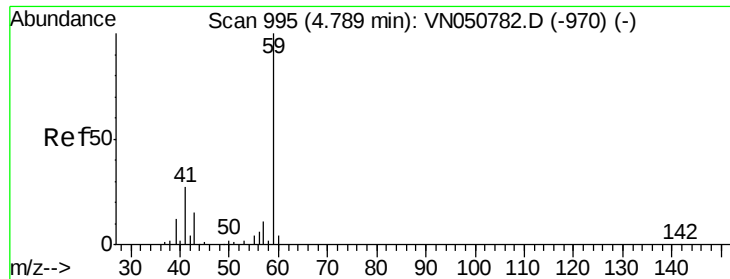
Acq: 21 Aug 2018 11:09

Tgt Ion:	142	Resp:	331709
Ion Ratio	Lower	Upper	
142	100		
127	39.6	31.7	47.5
141	14.2	11.4	17.0



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

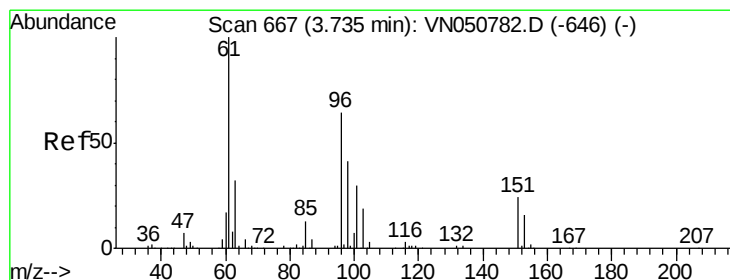
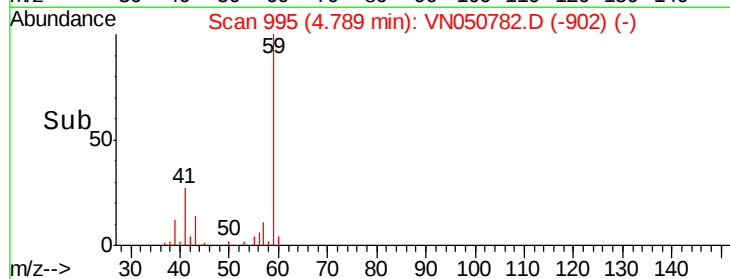
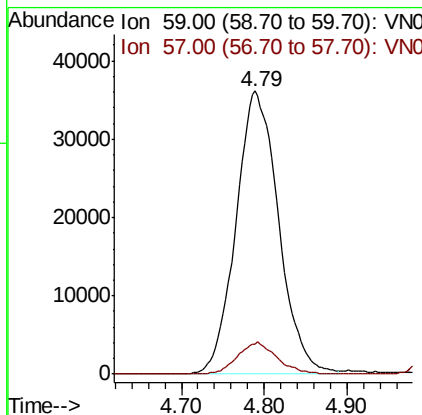
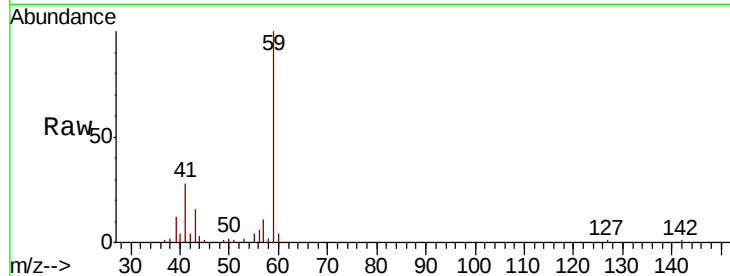
Tert butyl alcohol
Concen: 250.41 ug/l
RT: 4.79 min Scan# 995
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

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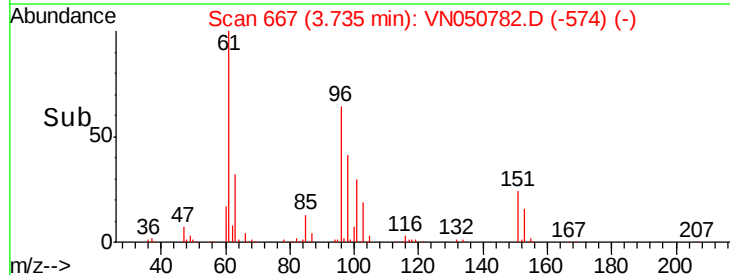
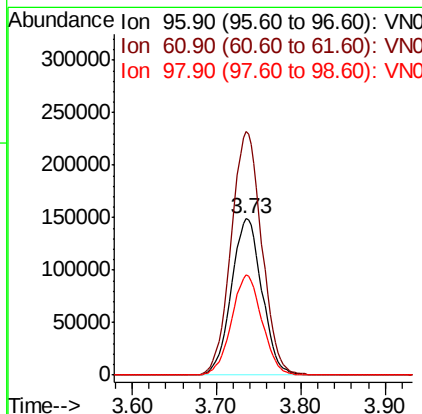
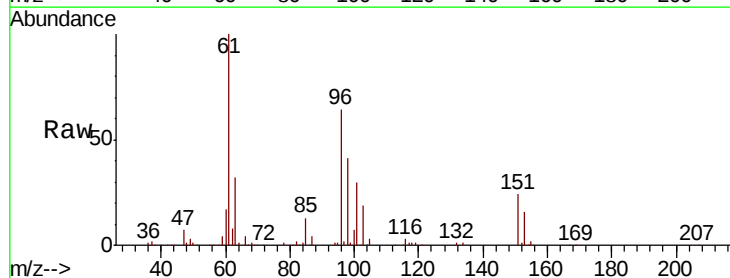
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#12

1,1-Dichloroethene
Concen: 49.74 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.1	124.9	187.3
98	63.9	51.1	76.7





#13

Acrolein

Concen: 266.31 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 75205

Ion Ratio Lower Upper

56 100

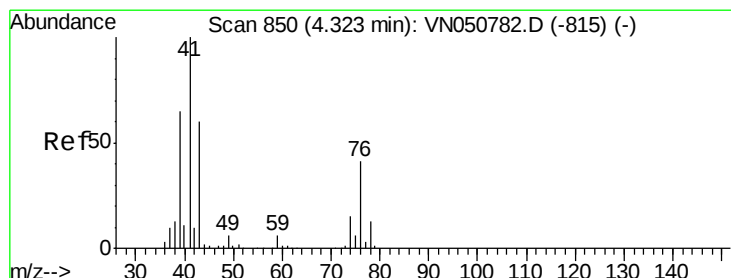
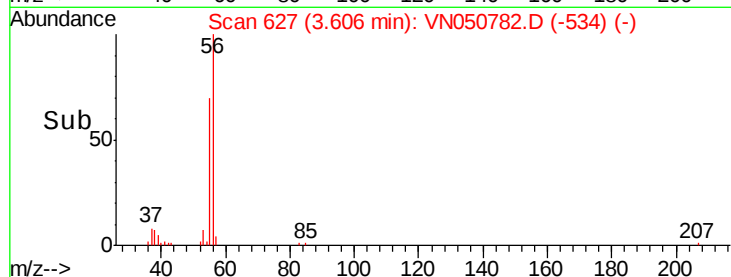
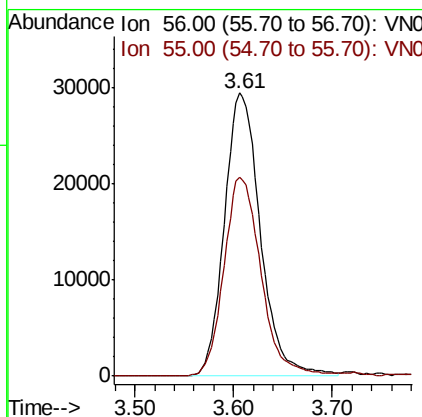
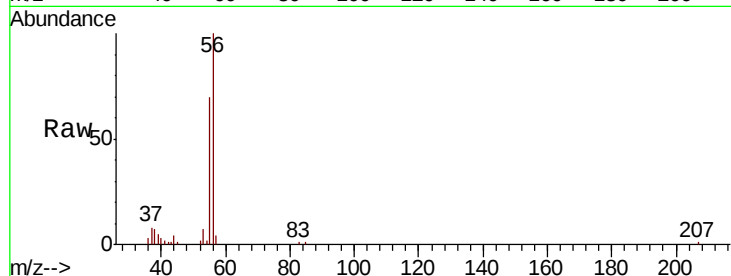
55 72.1 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 50.51 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

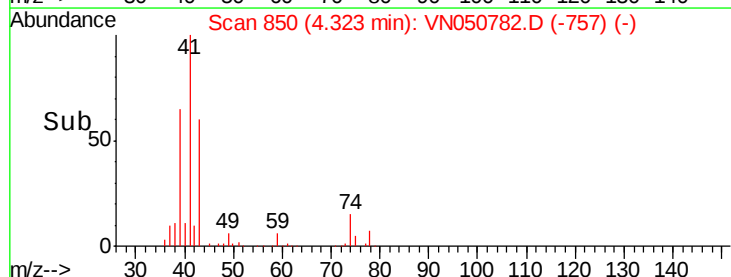
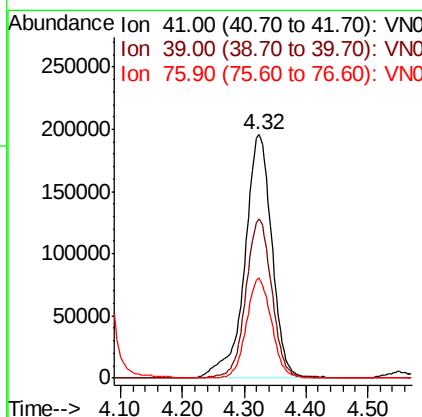
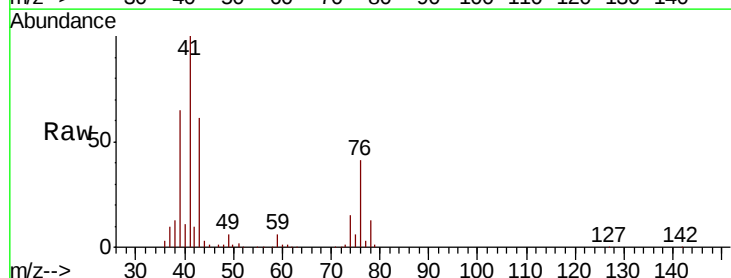
Tgt Ion: 41 Resp: 596212

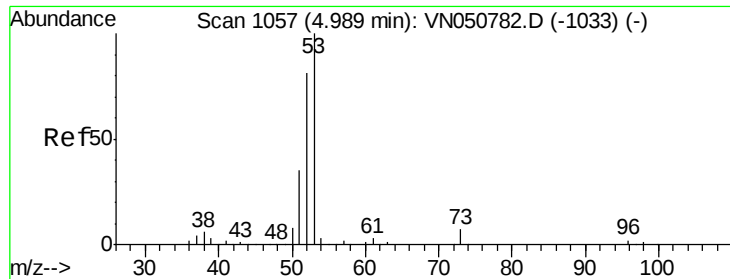
Ion Ratio Lower Upper

41 100

39 62.7 50.2 75.2

76 37.3 29.8 44.8





#15

Acrylonitrile

Concen: 252.05 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Instrument :

MSVOA_N

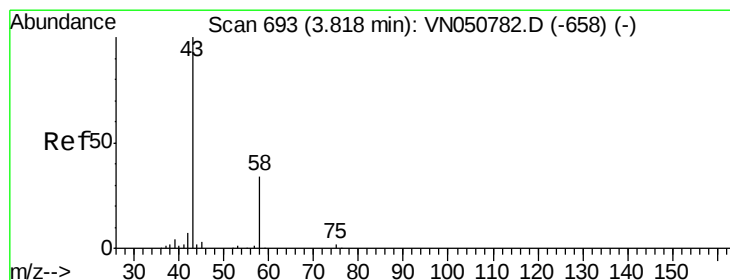
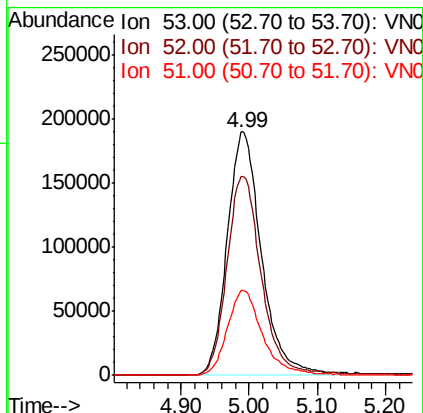
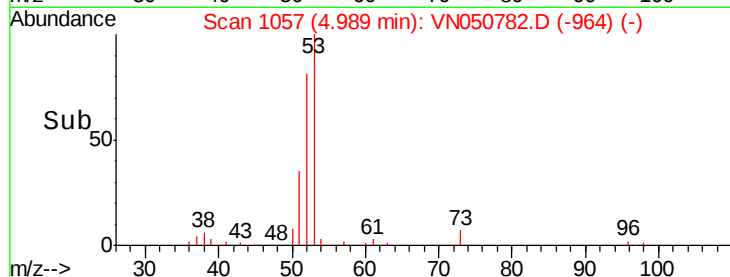
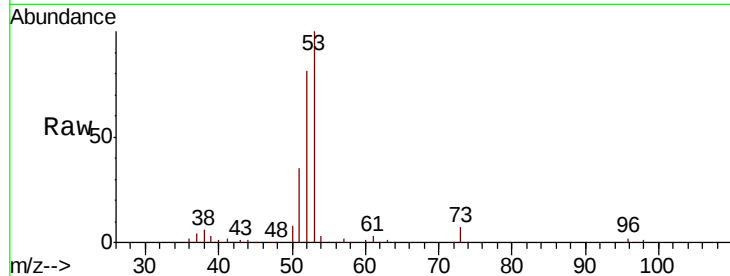
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	662255
Ion Ratio	Lower	Upper	
53	100		
52	82.4	65.9	98.9
51	35.8	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 213.85 ug/l

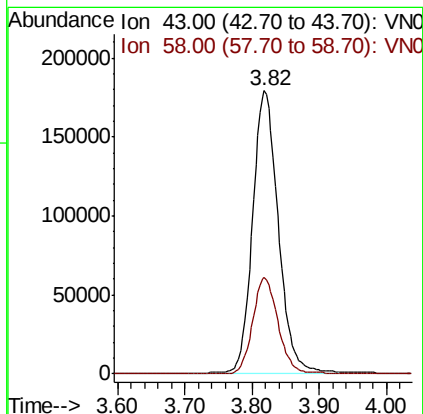
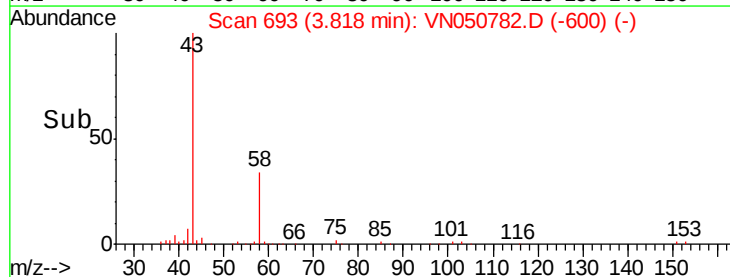
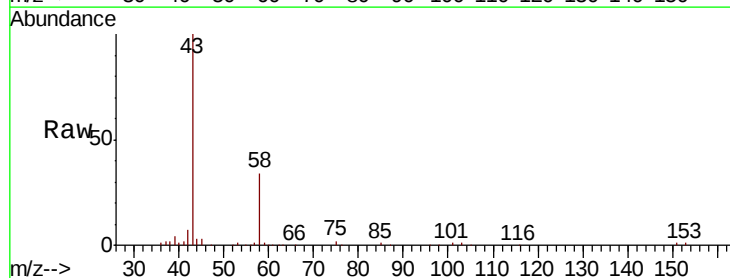
RT: 3.82 min Scan# 693

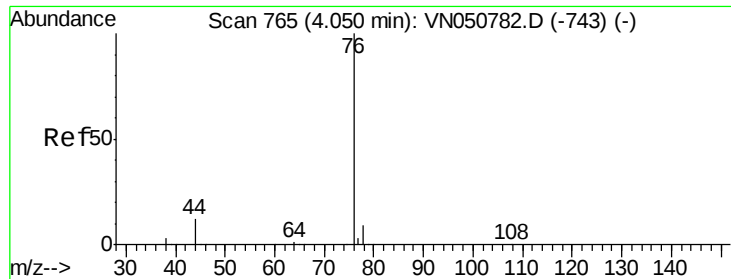
Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Tgt Ion:	43	Resp:	478722
Ion Ratio	Lower	Upper	
43	100		
58	34.0	27.2	40.8





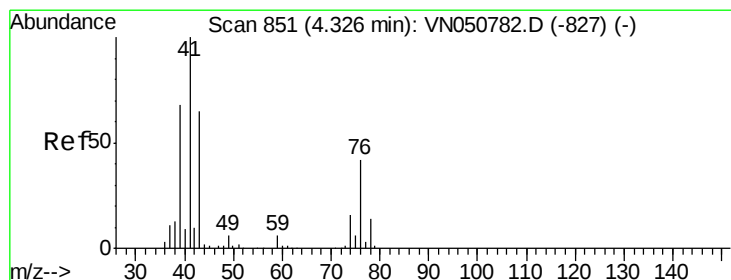
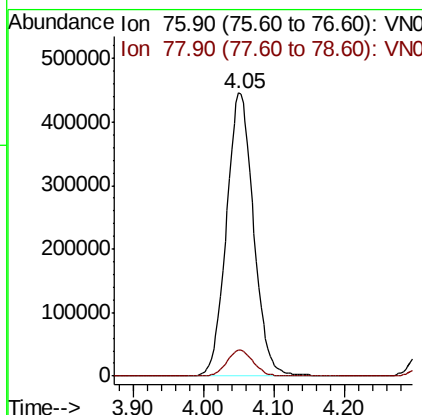
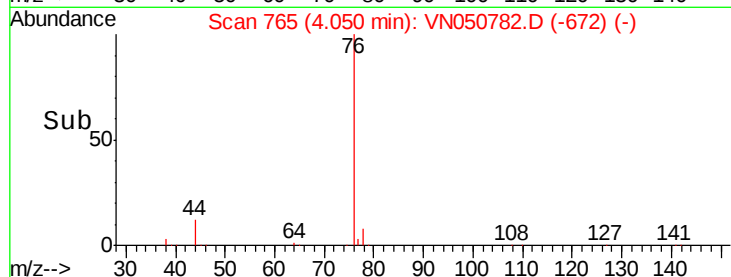
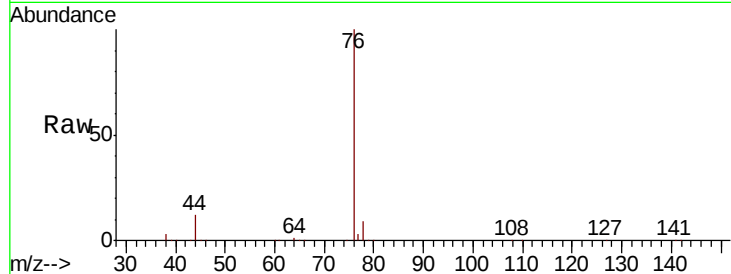
#17
Carbon Disulfide
Concen: 47.12 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 76 Resp: 1196447
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

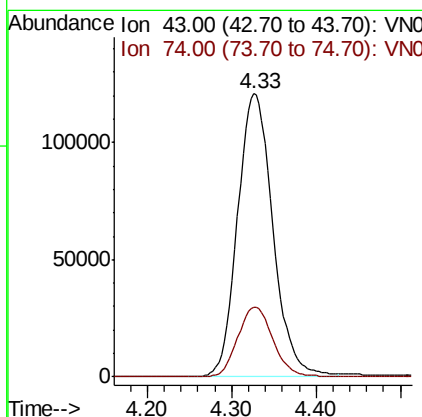
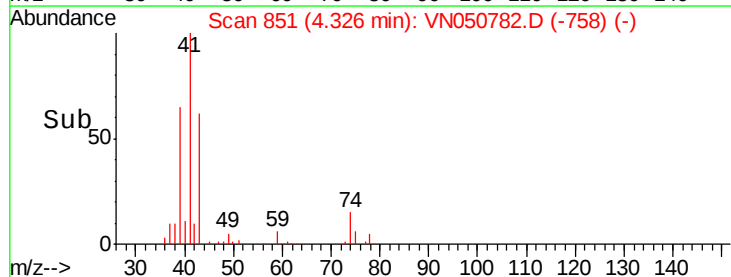
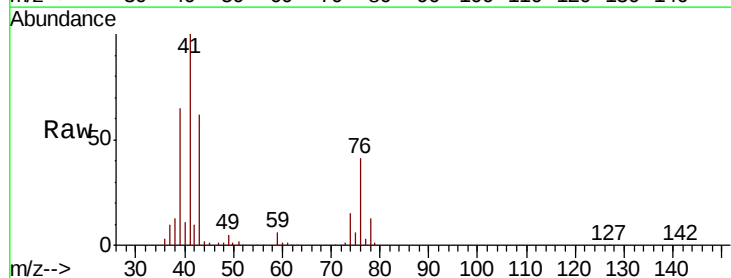
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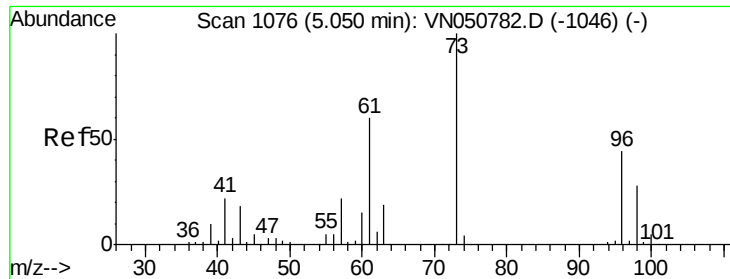
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#18
Methyl Acetate
Concen: 45.33 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion: 43 Resp: 349967
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.8





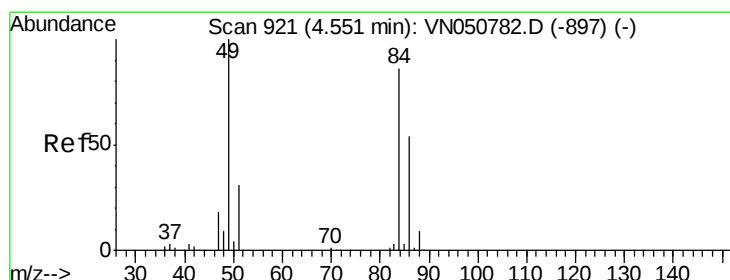
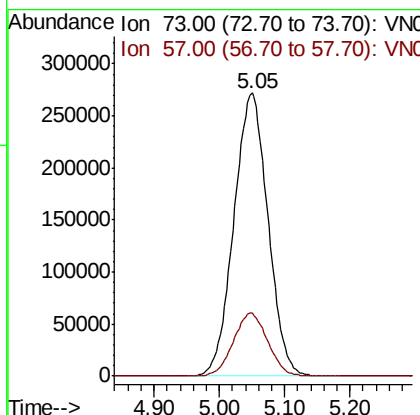
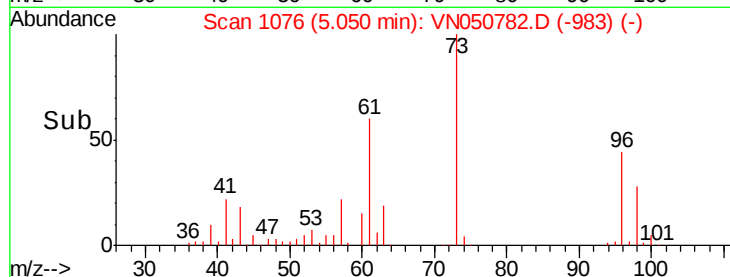
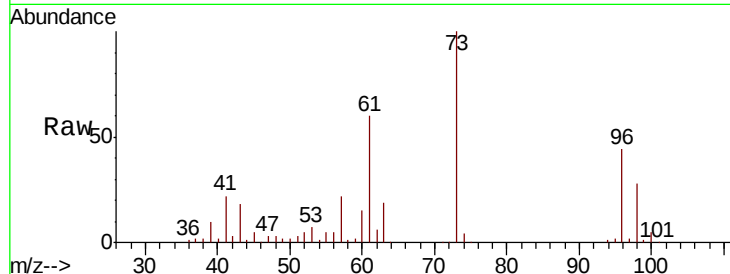
#19
Methyl tert-butyl Ether
Concen: 51.75 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	73	Resp	986032
Ion Ratio	100	Lower	Upper
57	22.3	17.8	26.8

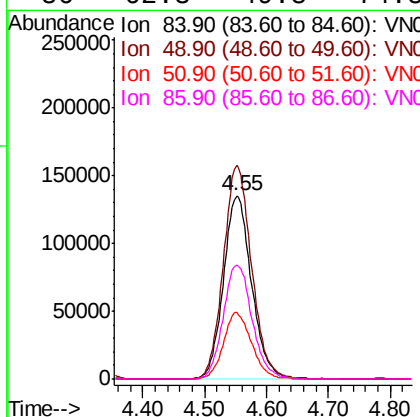
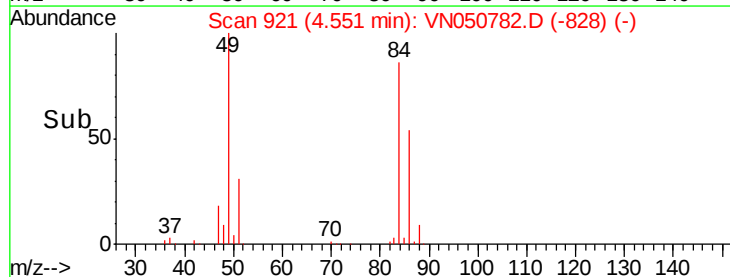
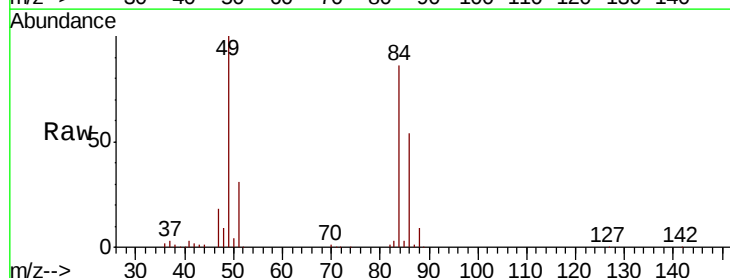
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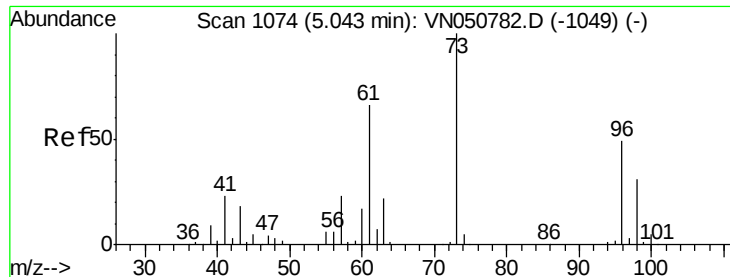
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#20
Methylene Chloride
Concen: 46.65 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion	84	Resp	426895
Ion Ratio	100	Lower	Upper
49	116.5	93.2	139.8
51	36.3	29.0	43.6
86	62.3	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 49.44 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 403600

Ion Ratio Lower Upper

96 100

61 134.2 107.4 161.0

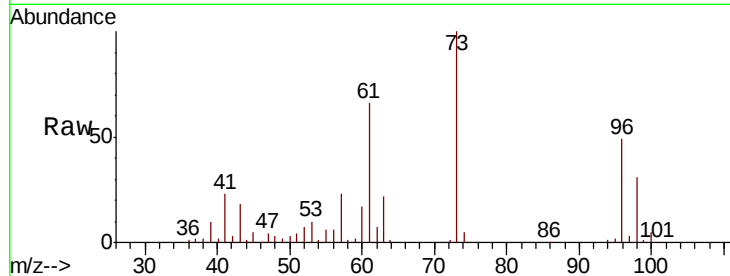
98 63.4 50.7 76.1

Manual Integrations

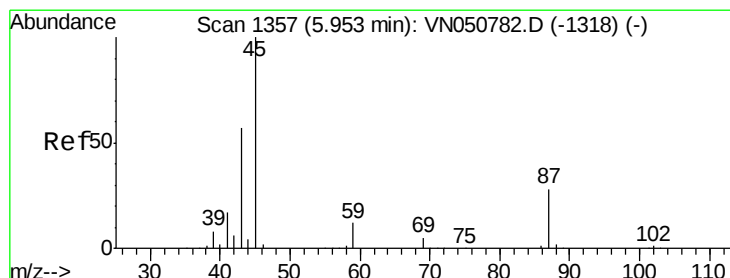
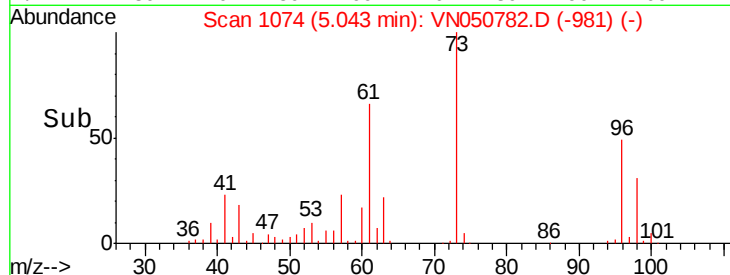
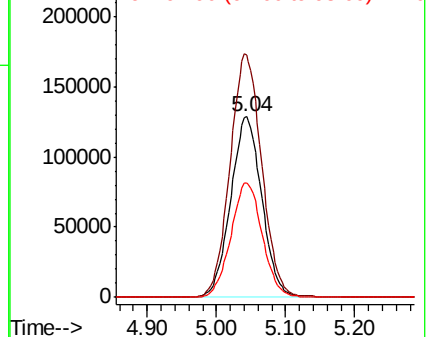
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 52.01 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Tgt Ion: 45 Resp: 1223434

Ion Ratio Lower Upper

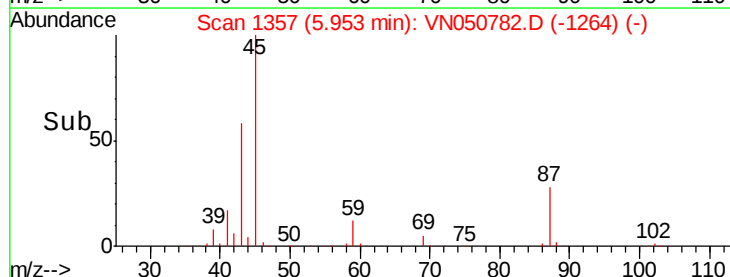
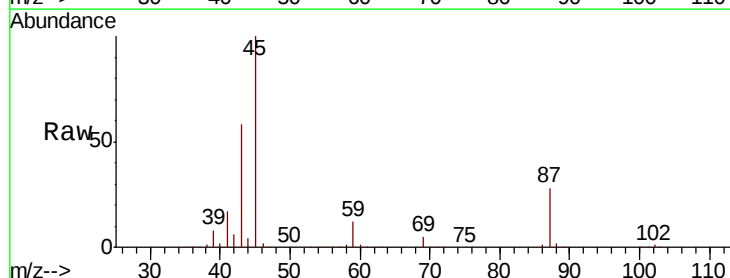
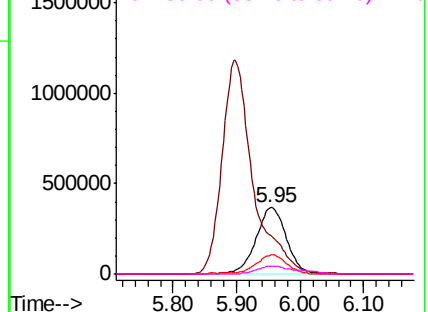
45 100

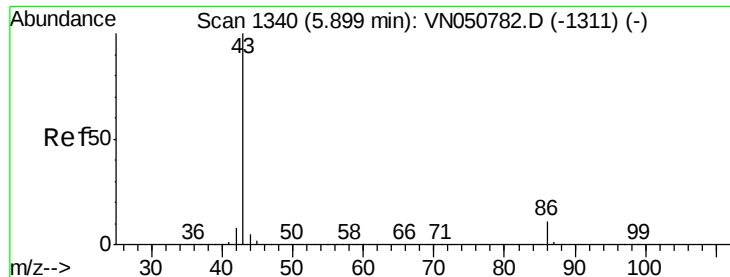
43 57.4 45.9 68.9

87 28.4 22.7 34.1

59 11.6 9.3 13.9

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 265.58 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 4023126

Ion Ratio Lower Upper

43 100

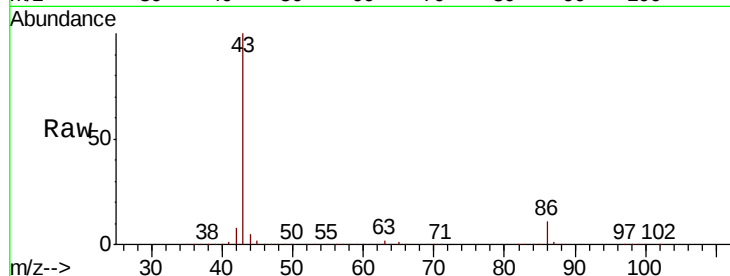
86 10.9 8.7 13.1

Manual Integrations

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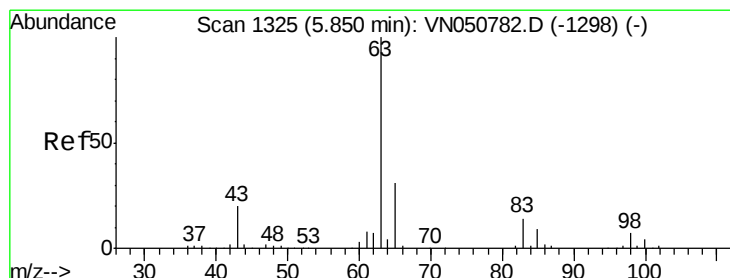
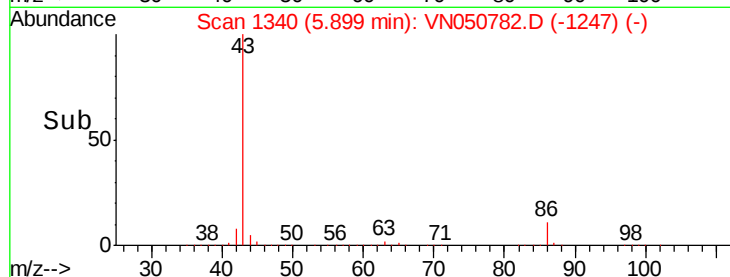
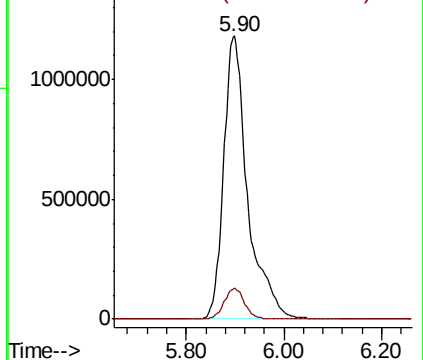
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.57 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

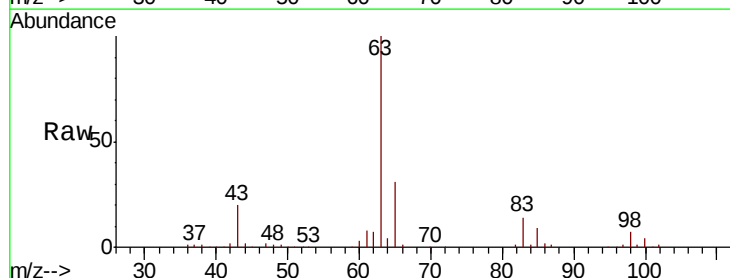
Tgt Ion: 63 Resp: 733409

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

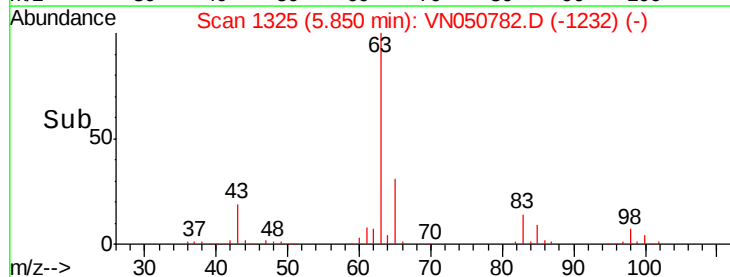
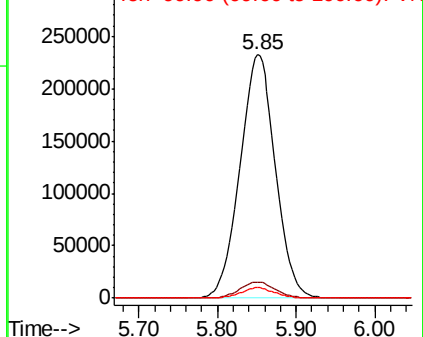
100 4.3 2.1 6.5

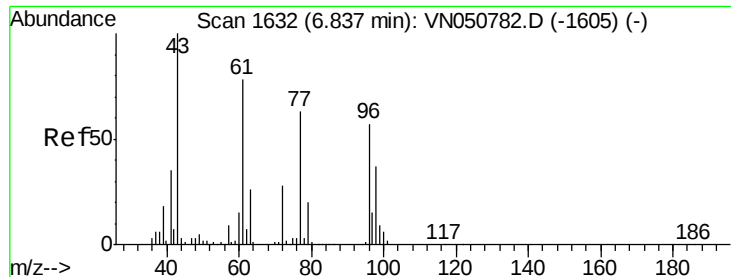


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





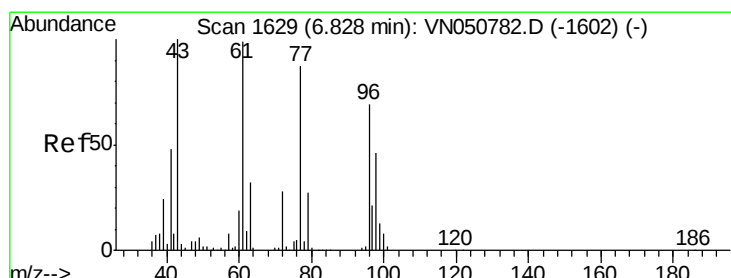
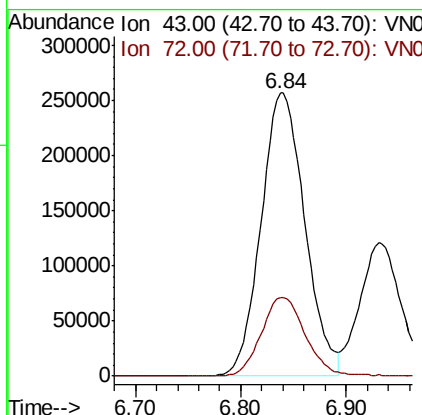
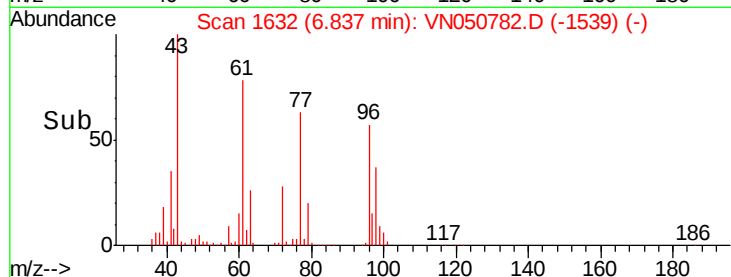
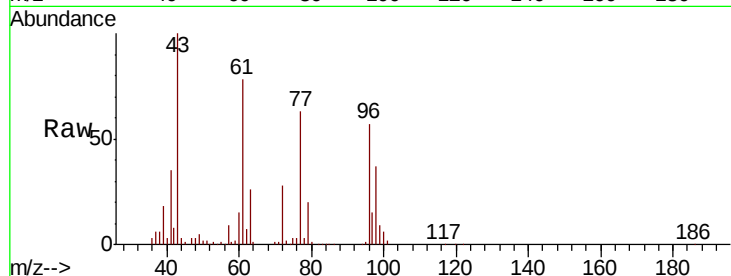
#25
2-Butanone
Concen: 225.66 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 738337
Ion Ratio Lower Upper
43 100
72 27.9 22.3 33.5

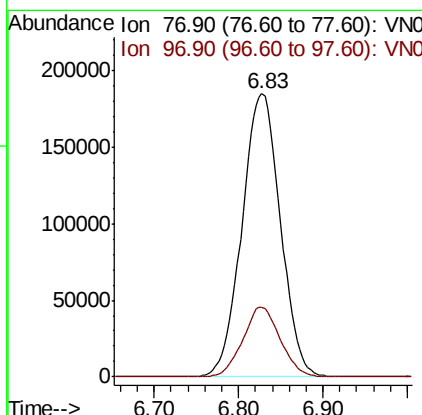
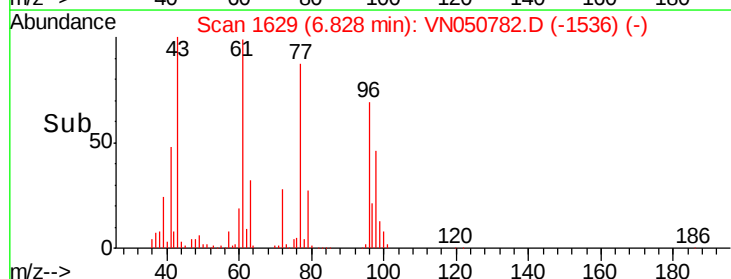
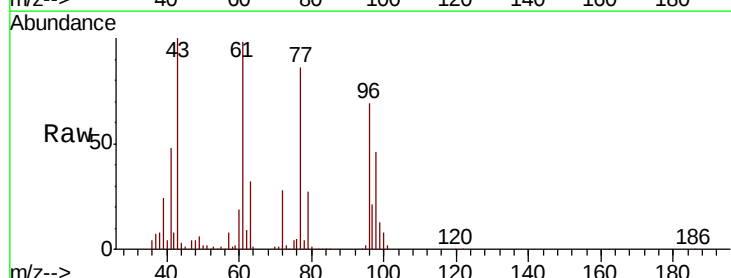
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 48.19 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion: 77 Resp: 584811
Ion Ratio Lower Upper
77 100
97 24.0 12.0 36.0





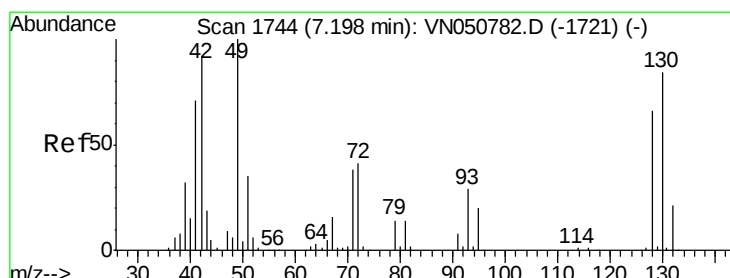
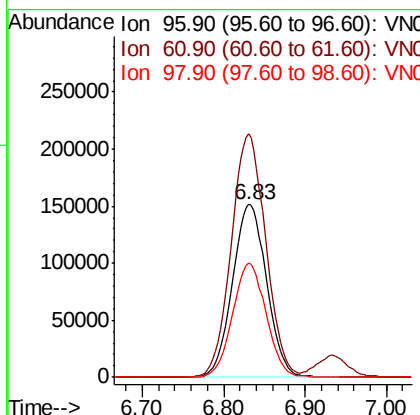
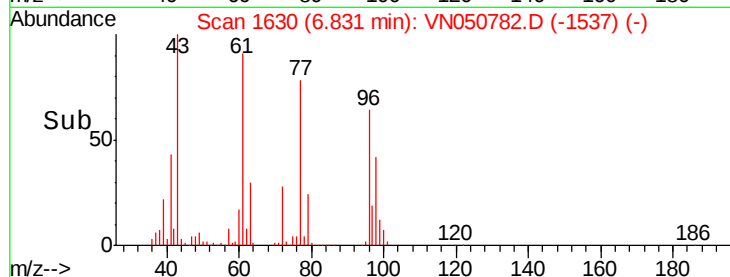
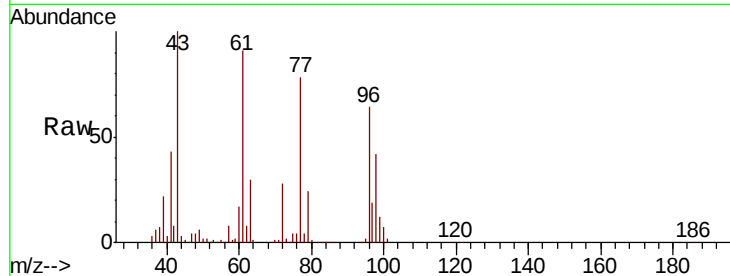
#27
 cis-1,2-Dichloroethene
 Concen: 49.96 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	283.4
98	64.9	0.0	129.8

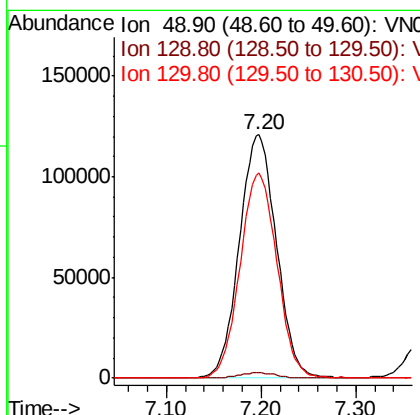
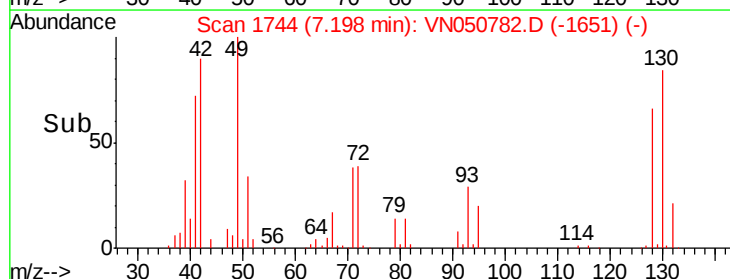
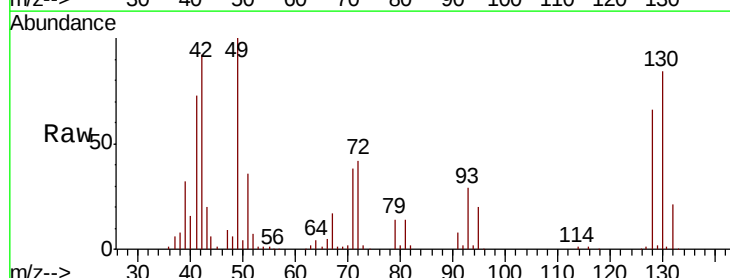
Manual Integrations
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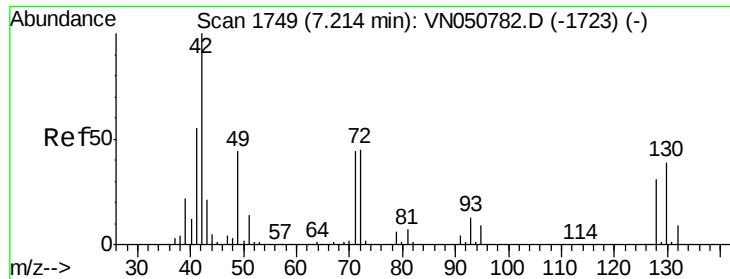
MMDadoda
 8/22/2018 11:18:52 AM



#28
 Bromochloromethane
 Concen: 51.37 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.9	67.1	100.7





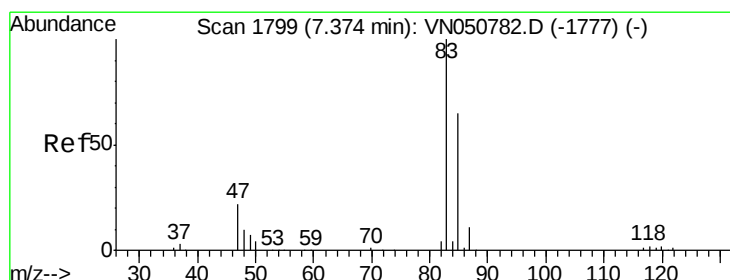
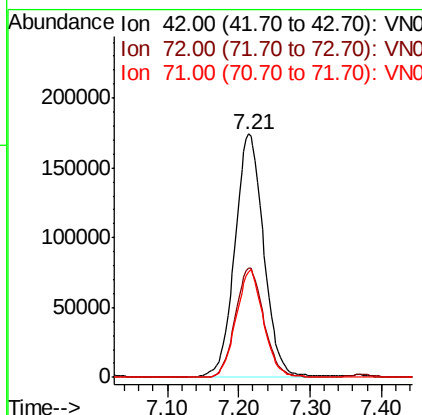
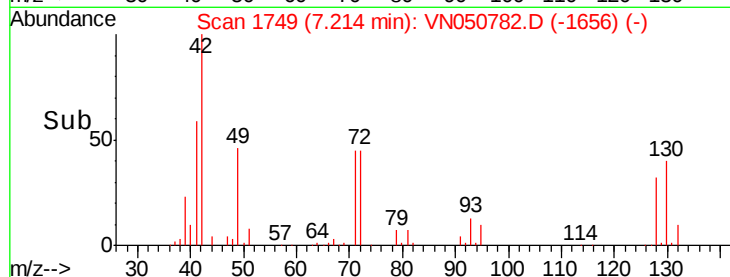
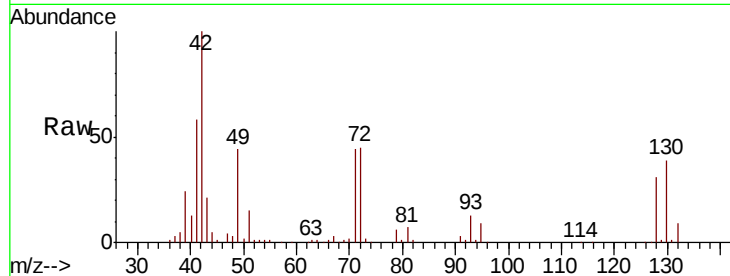
#29
Tetrahydrofuran
Concen: 261.28 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.5	53.3
71	42.1	33.7	50.5

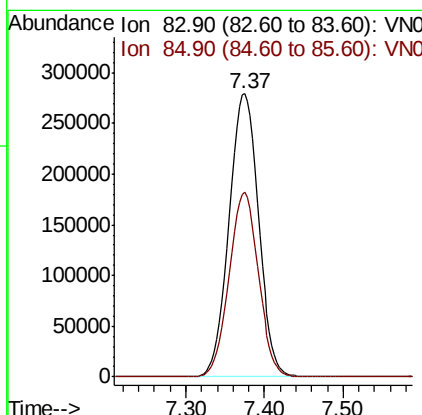
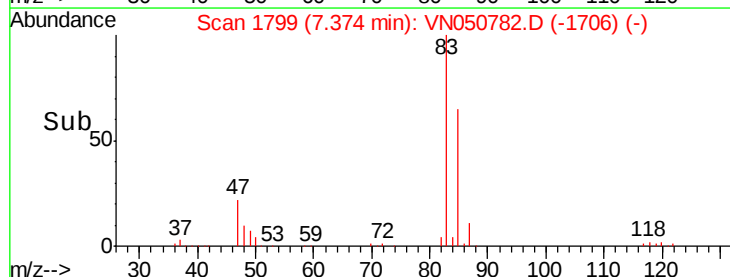
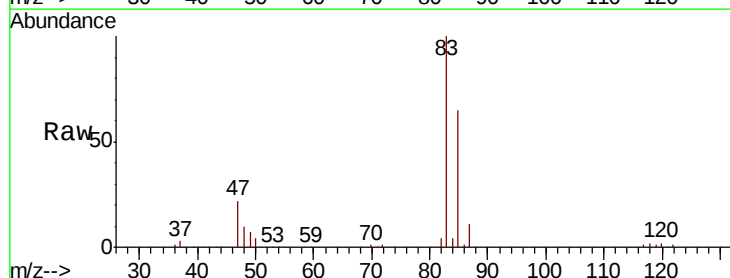
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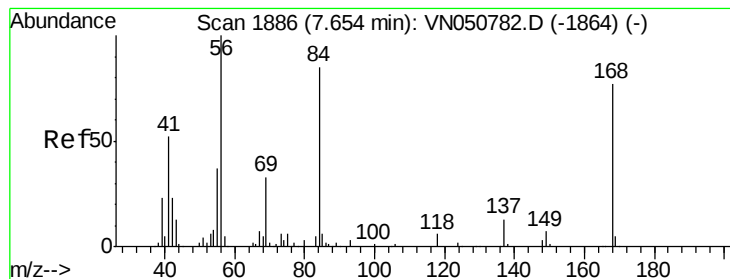
MMDadoda
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#30
Chloroform
Concen: 48.84 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





#31

Cyclohexane

Concen: 44.62 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Instrument :

MSVOA_N

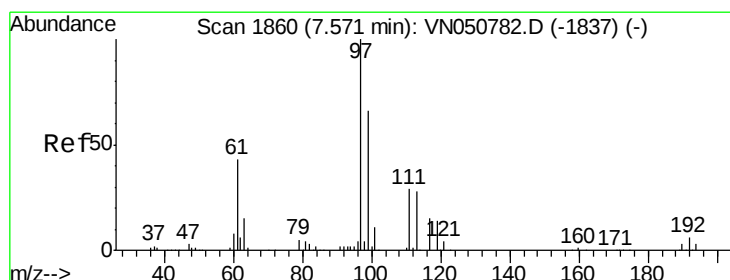
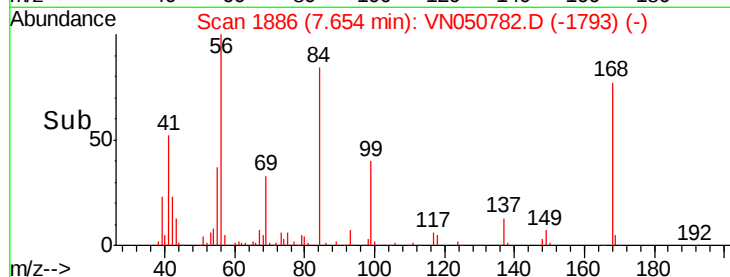
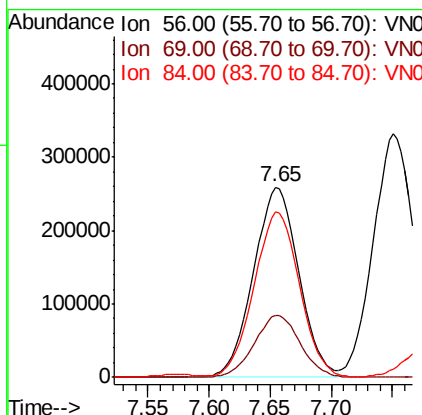
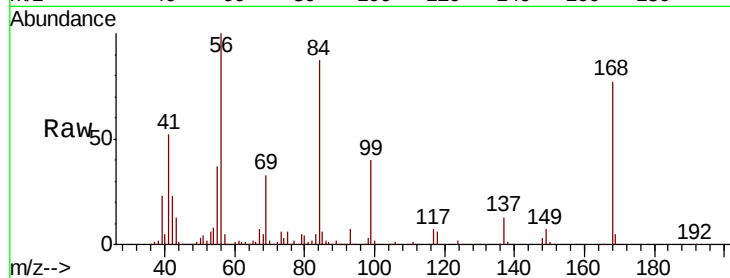
ClientSampled :

VSTDICCC050

Tot Ion:	56	Resp:	669409
Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.2	39.4
84	85.4	68.3	102.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.29 ug/l

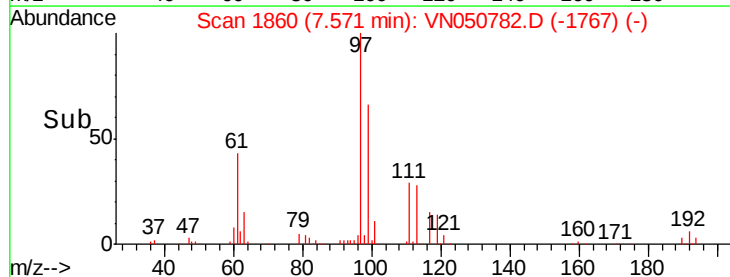
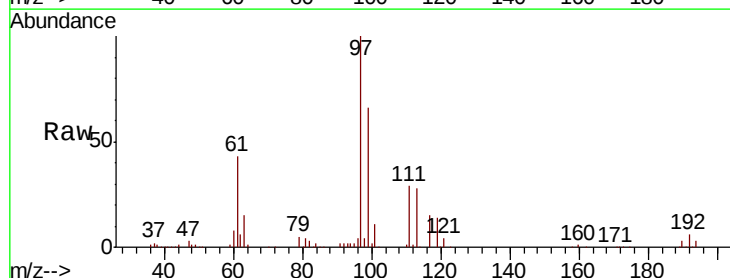
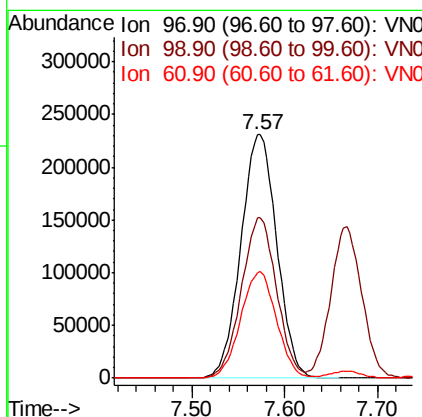
RT: 7.57 min Scan# 1860

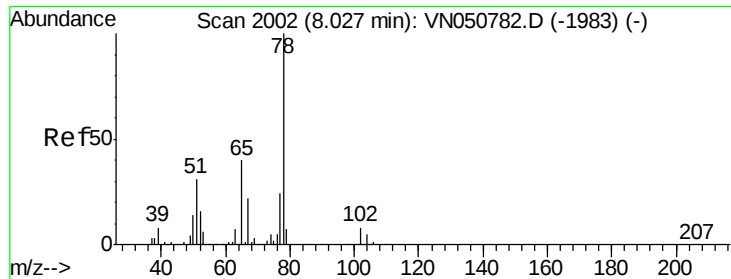
Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Tgt Ion:	97	Resp:	620202
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	43.6	34.9	52.3





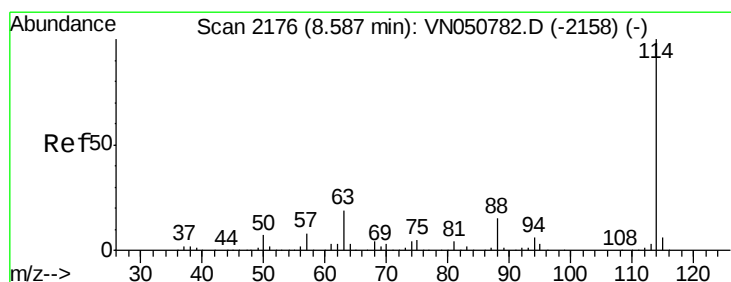
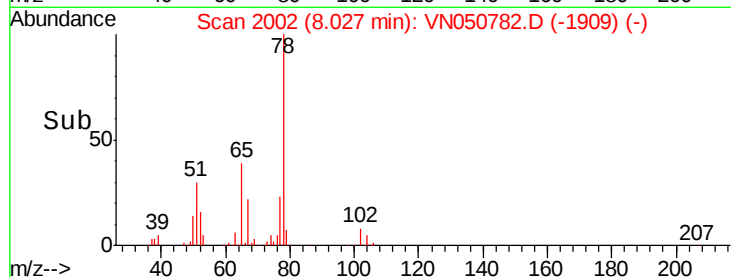
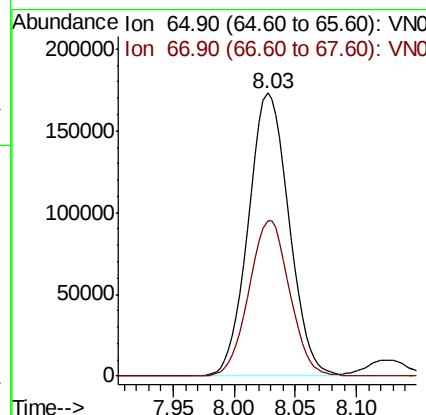
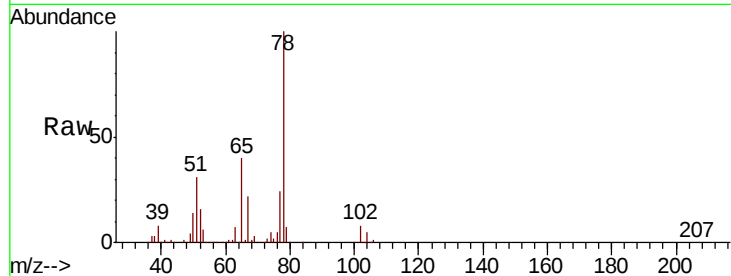
#33
 1,2-Dichloroethane-d4
 Concen: 49.23 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	399730		
67	55.2	0.0	110.4	

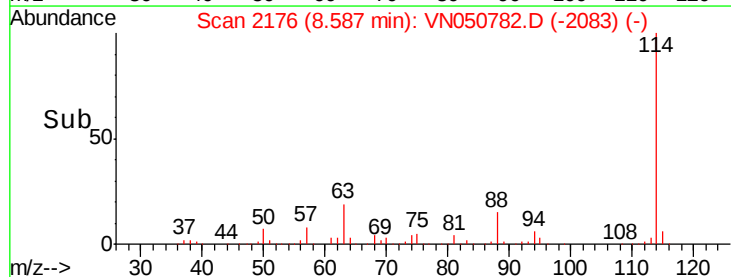
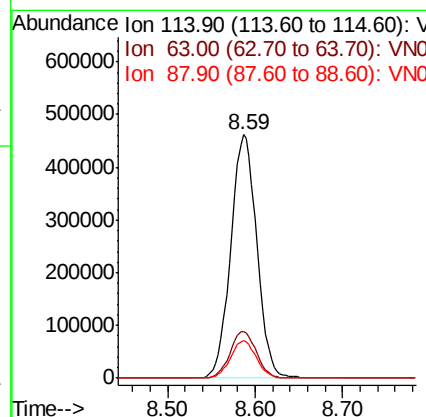
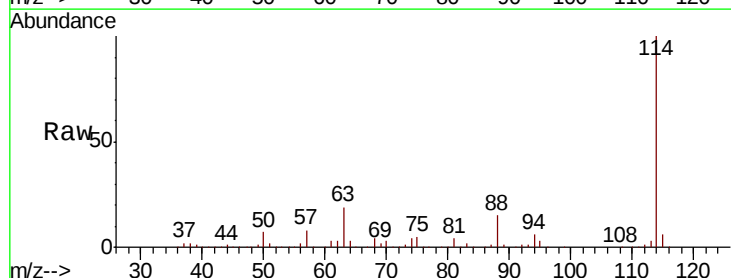
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	955177		
63	19.3	0.0	38.6	
88	15.3	0.0	30.6	





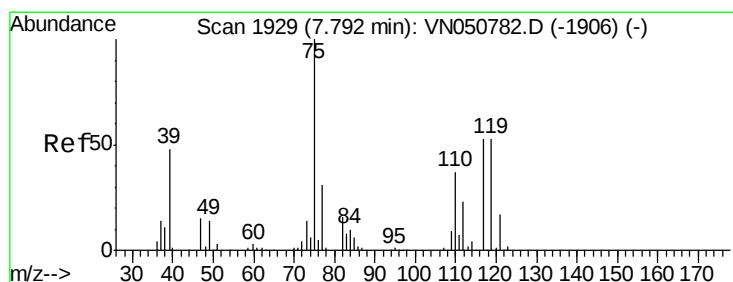
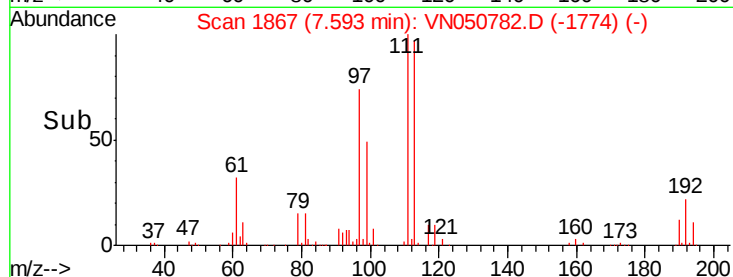
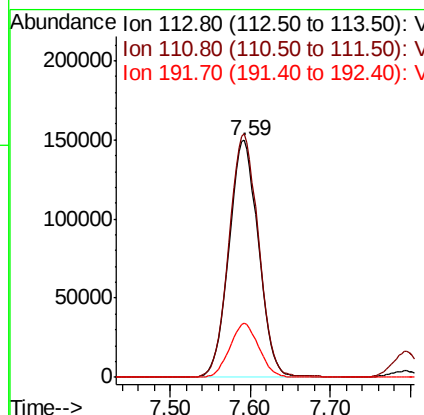
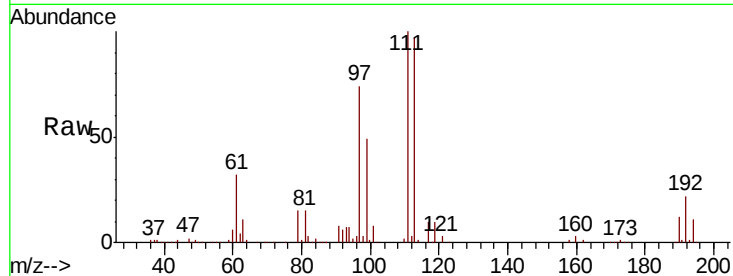
#35
Dibromofluoromethane
Concen: 49.34 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.2	82.6	123.8	
192	22.5	18.0	27.0	

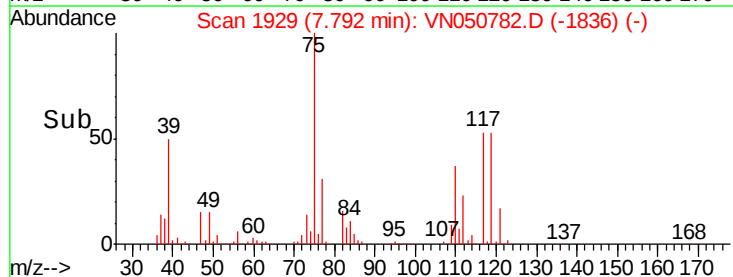
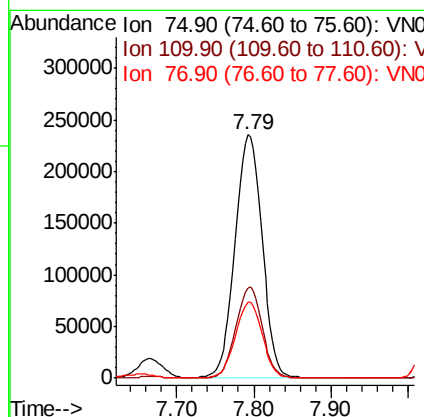
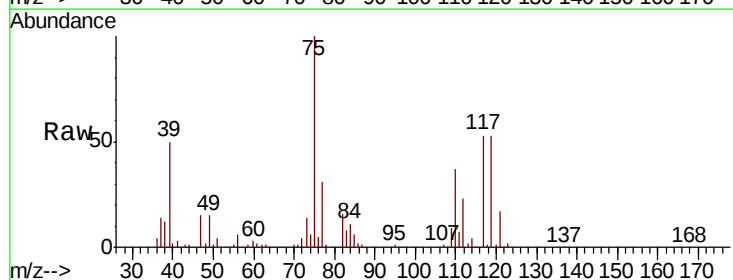
Manual Integrations
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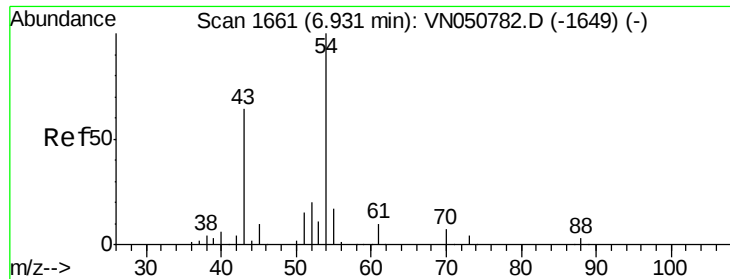
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#36
1,1-Dichloropropene
Concen: 50.65 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.3	18.1	54.4	
77	31.0	24.8	37.2	





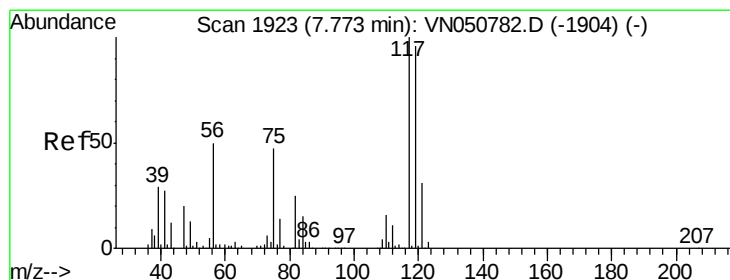
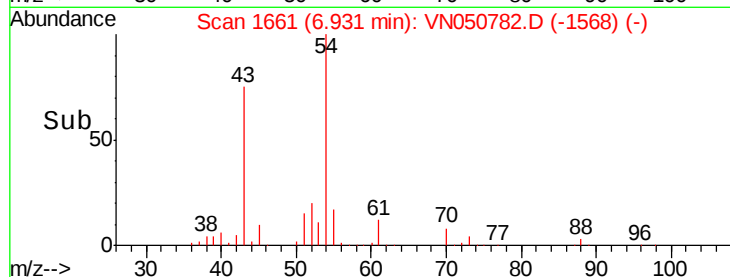
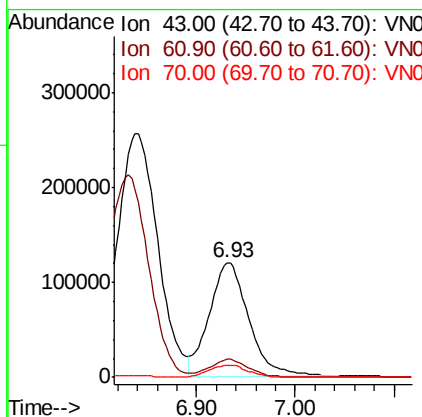
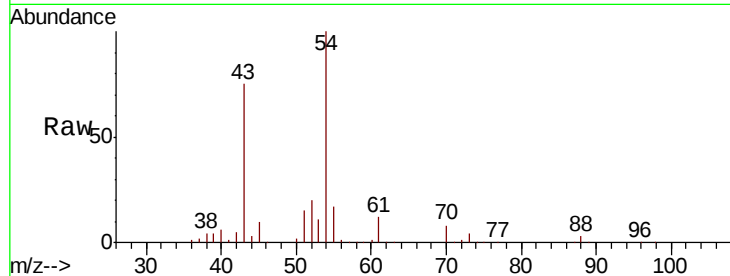
#37
Ethyl Acetate
Concen: 54.22 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.0	18.0
70	10.8	8.6	13.0

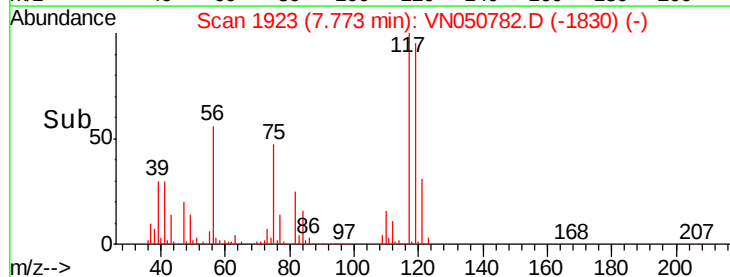
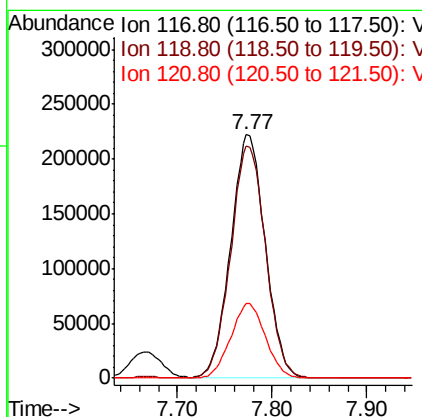
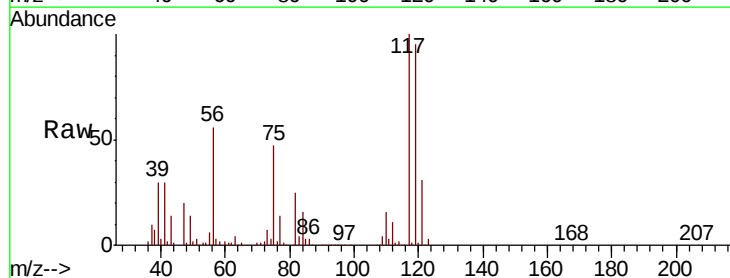
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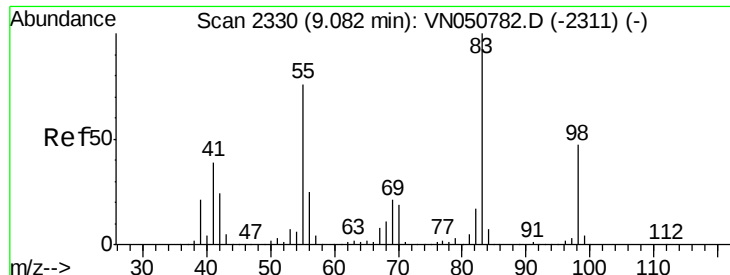
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#38
Carbon Tetrachloride
Concen: 49.50 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.3	114.5
121	30.7	24.6	36.8





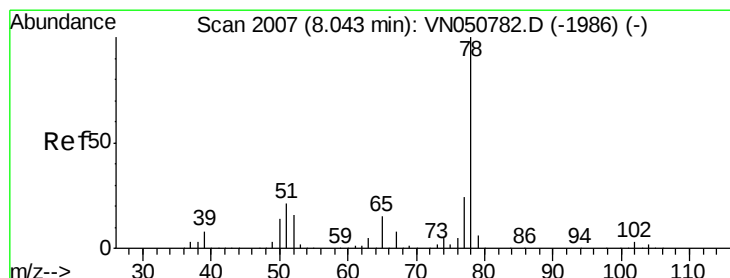
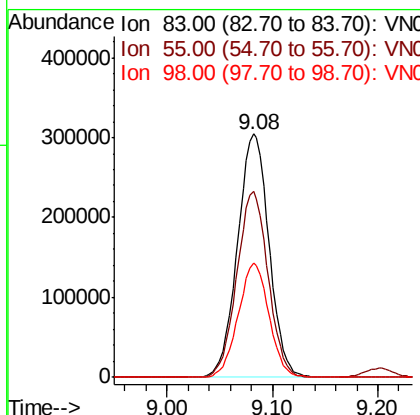
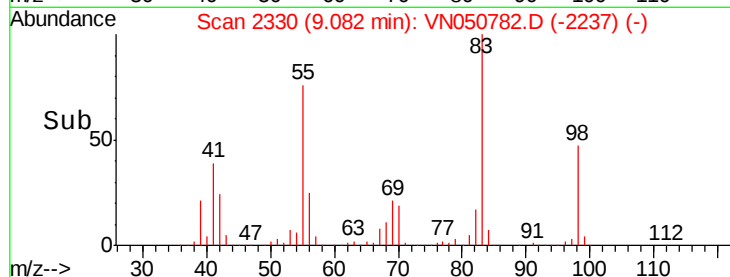
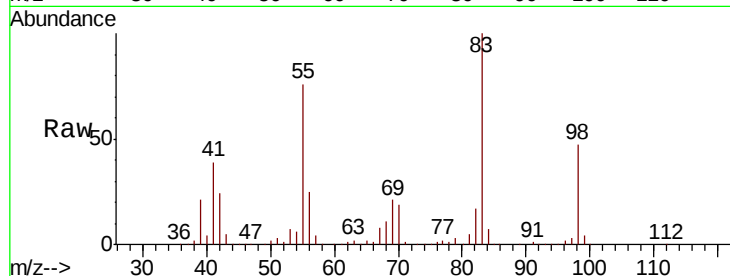
#39
Methvlcvclohexane
Concen: 51.65 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.0	91.4
98	46.9	37.5	56.3

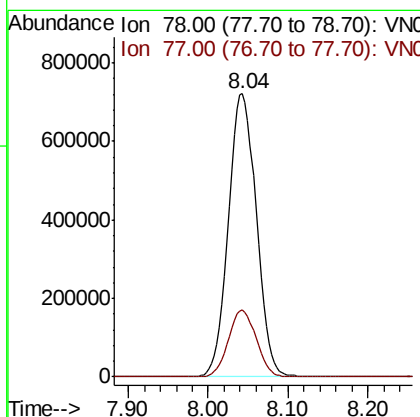
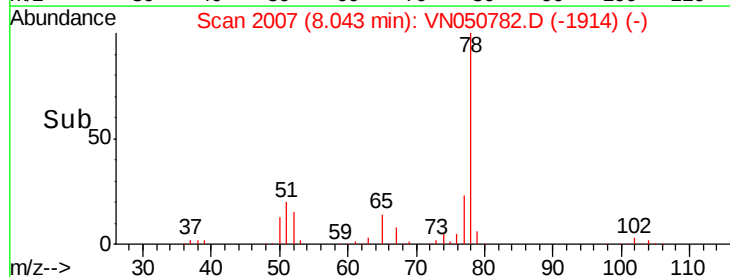
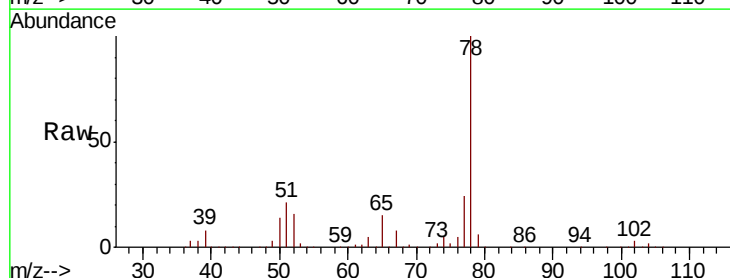
Manual Integrations
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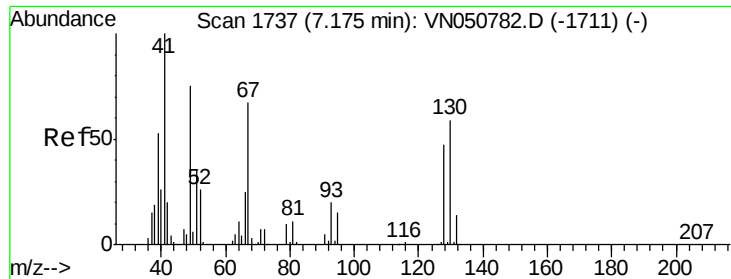
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#40
Benzene
Concen: 50.47 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





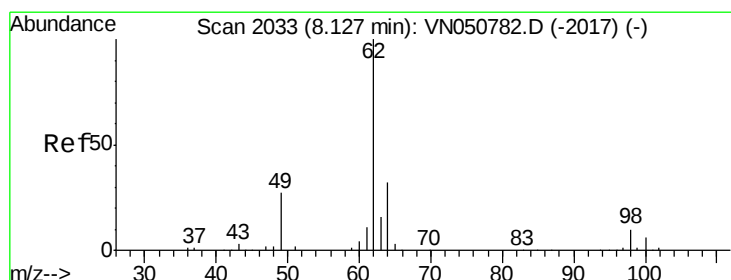
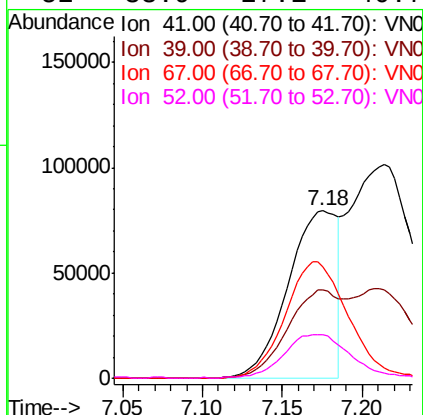
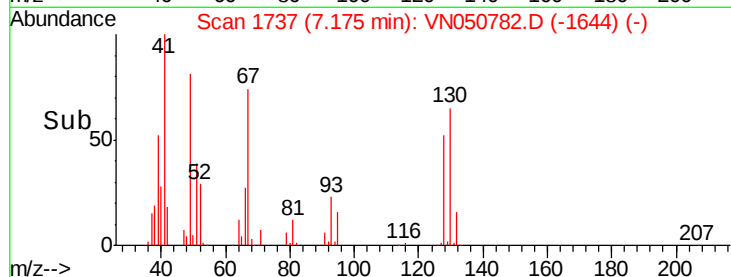
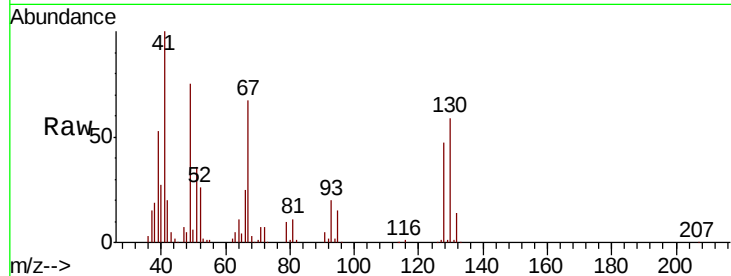
#41
Methacrylonitrile
Concen: 52.50 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		172131		
39	56.7	45.4	68.0		
67	88.3	70.6	106.0		
52	33.9	27.1	40.7		

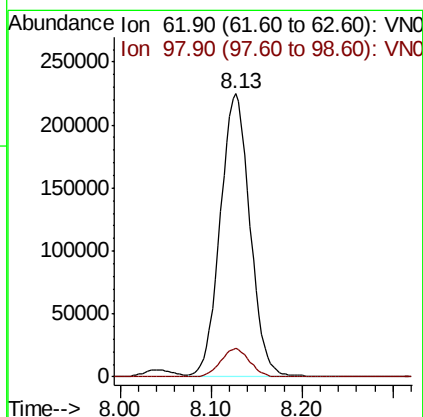
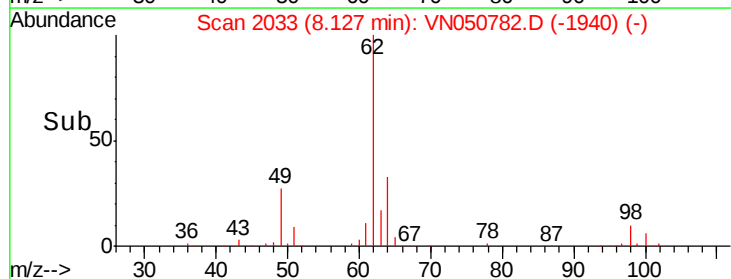
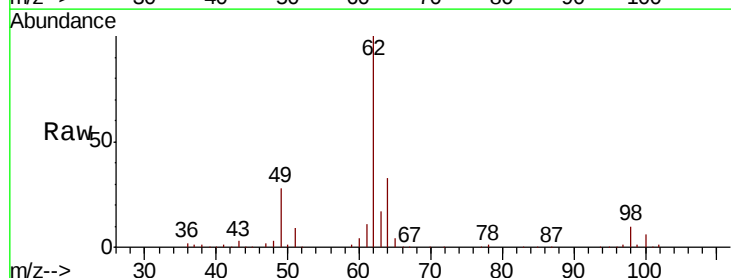
Manual Integrations
APPROVED

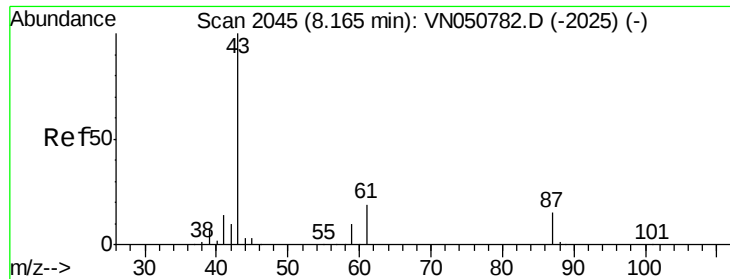
MMDadoda
8/22/2018 11:18:52 AM



#42
1,2-Dichloroethane
Concen: 50.18 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		509934		
98	9.8	0.0	19.6		





#43

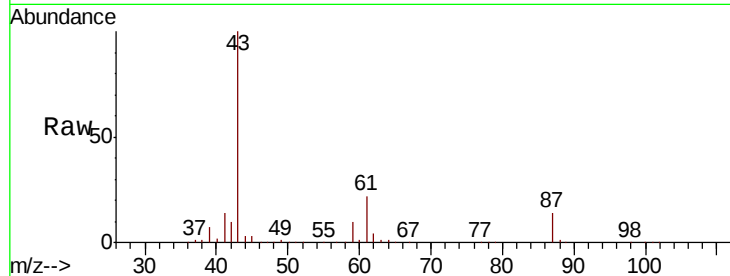
Isopropyl Acetate
 Concen: 51.49 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

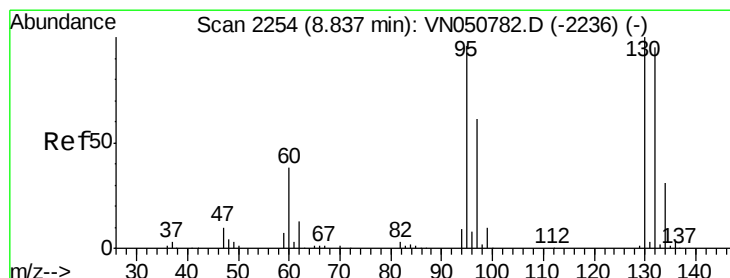
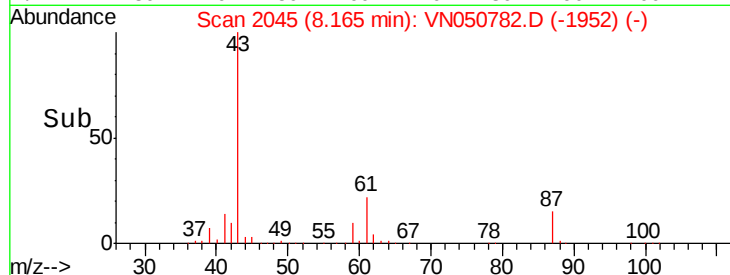
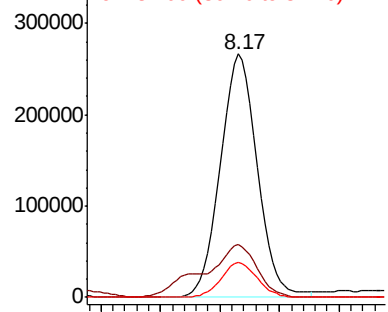
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.5	26.3
87	14.1	11.3	16.9

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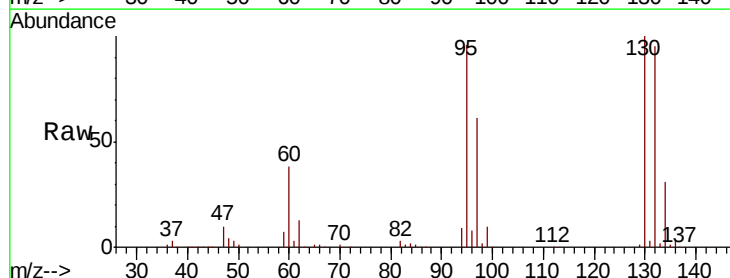
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



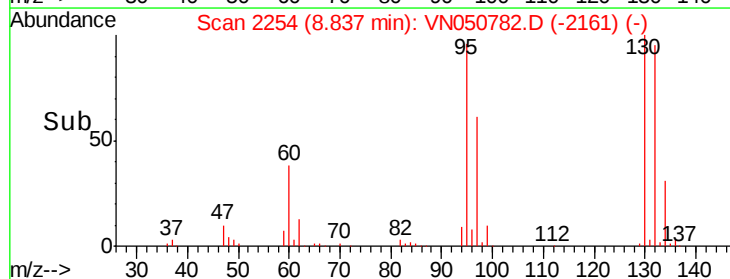
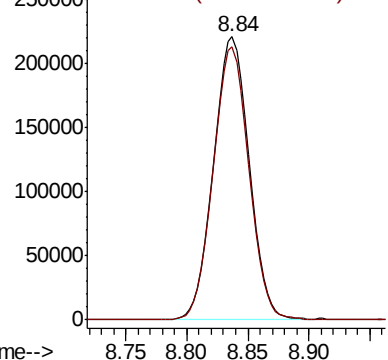
#44

Trichloroethene
 Concen: 49.72 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	193.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





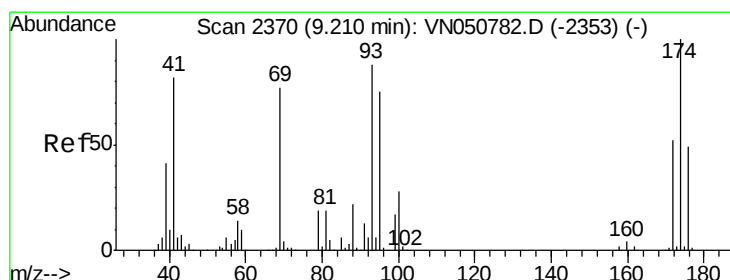
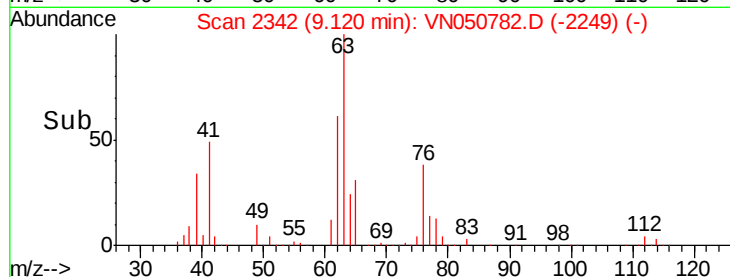
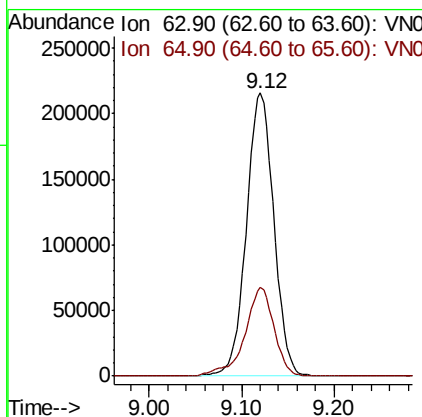
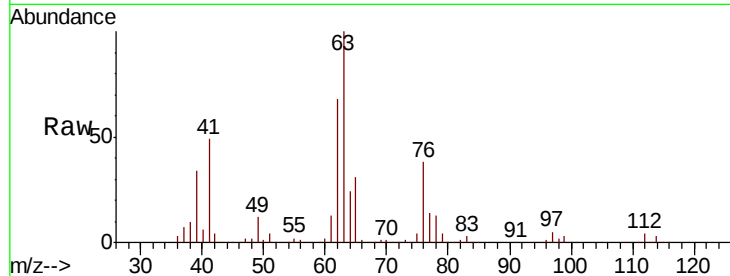
#45
 1,2-Dichloropropane
 Concen: 49.69 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 63 Resp: 443865
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

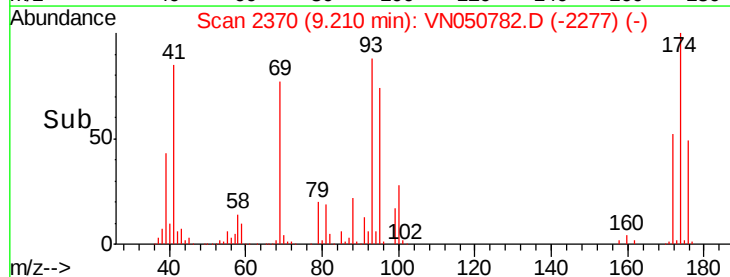
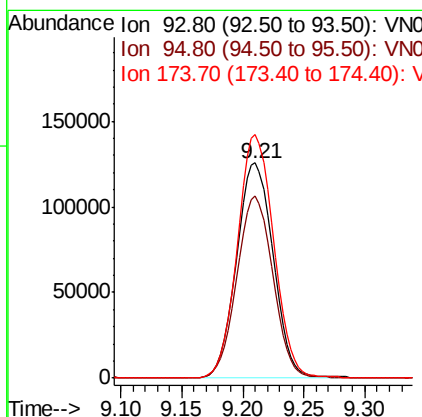
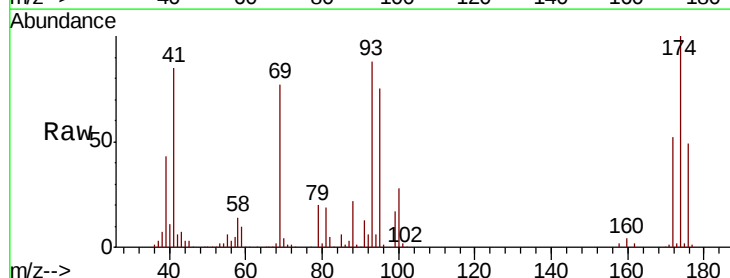
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#46
 Dibromomethane
 Concen: 49.86 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Tgt Ion: 93 Resp: 261725
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.7 100.1
 174 112.2 89.8 134.6





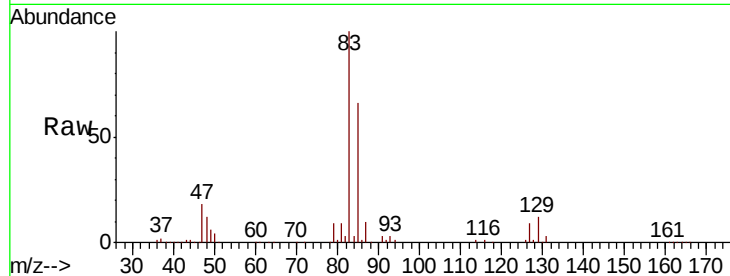
#47
Bromodichloromethane
Concen: 50.39 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

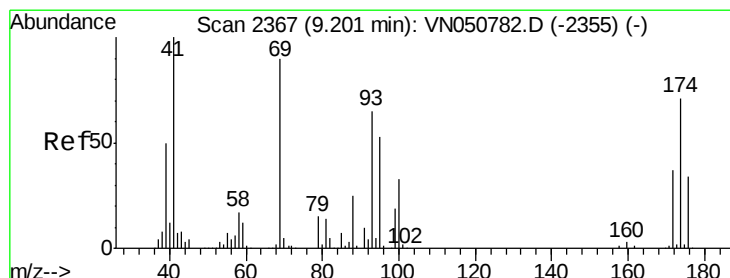
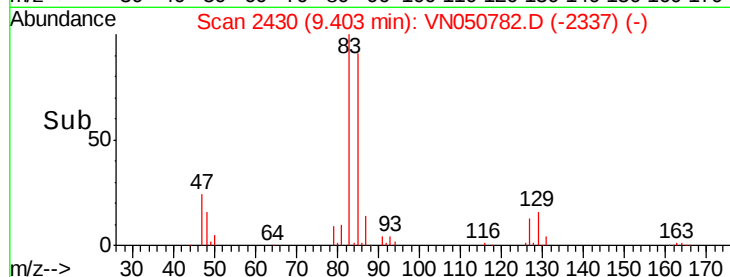
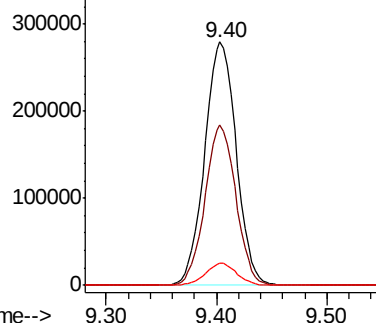
Tot Ion	Ratio	Resp	Lower	Upper
83	100	553969		
85	65.7		52.6	78.8
127	9.0		7.2	10.8

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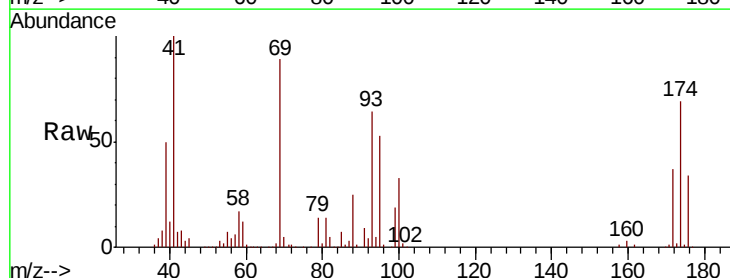


Abundance Ion 82.90 (82.60 to 83.60): VN050782.D (-2413) (-)
Ion 84.90 (84.60 to 85.60): VN050782.D (-2413) (-)
Ion 126.80 (126.50 to 127.50): VN050782.D (-2413) (-)

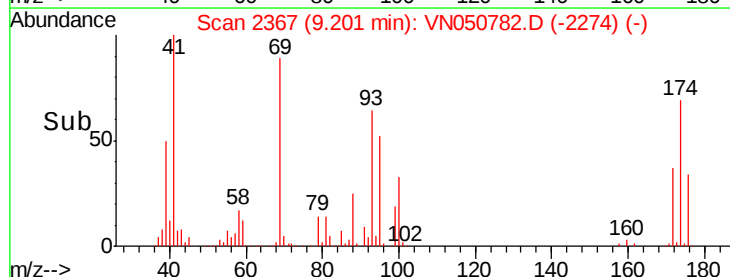
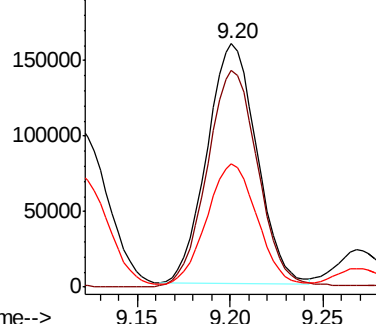


#48
Methyl methacrylate
Concen: 52.21 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	296223		
69	93.4		74.7	112.1
39	52.7		42.2	63.2



Abundance Ion 41.00 (40.70 to 41.70): VN050782.D (-2355) (-)
Ion 69.00 (68.70 to 69.70): VN050782.D (-2355) (-)
Ion 39.00 (38.70 to 39.70): VN050782.D (-2355) (-)





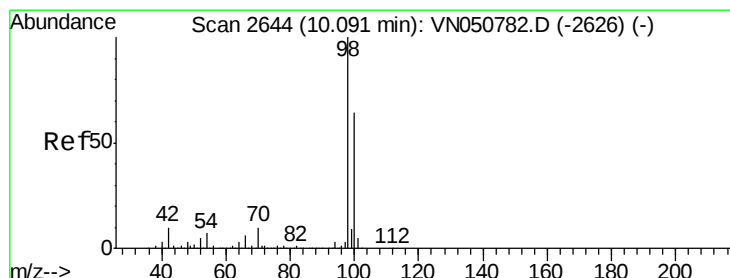
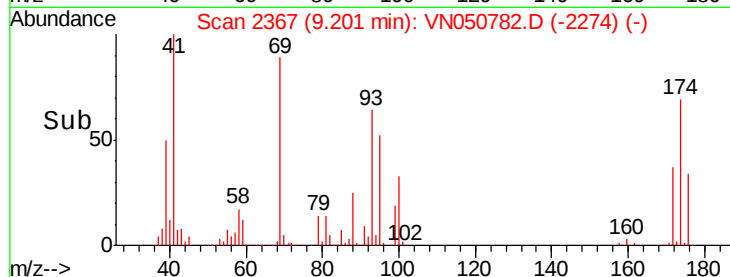
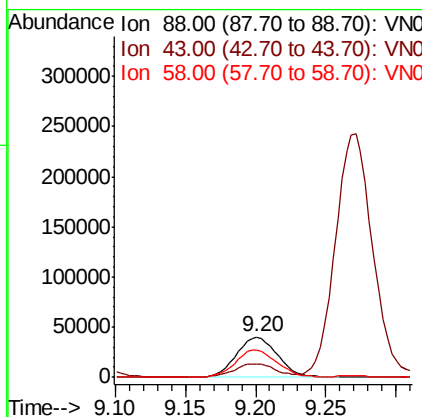
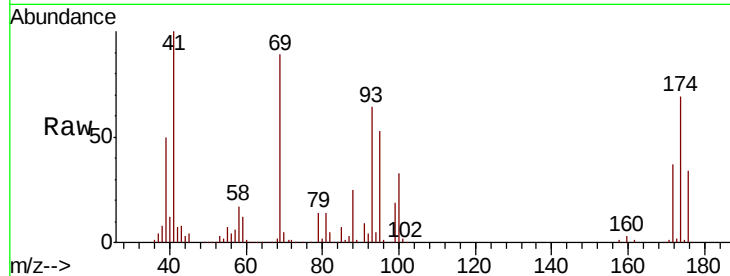
#49
1,4-Dioxane
Concen: 1068.23 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	82620
Ion	Ratio	Lower	Upper
88	100		
43	32.4	25.9	38.9
58	68.7	55.0	82.4

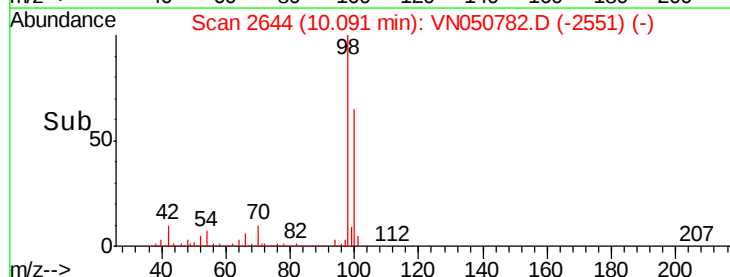
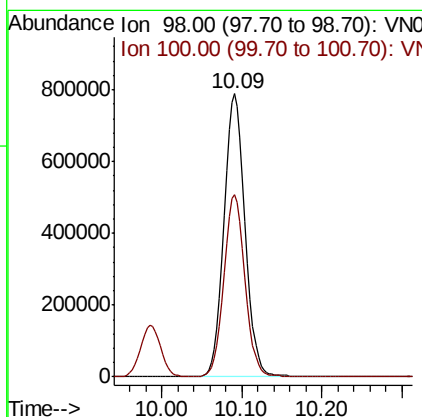
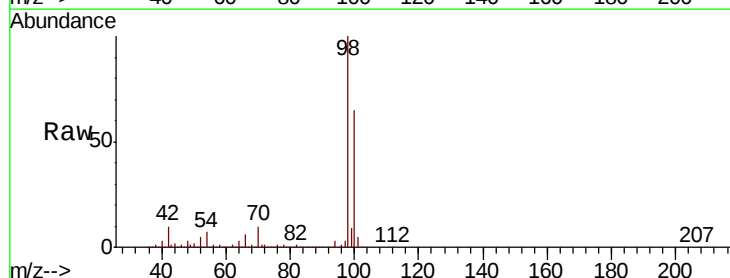
Manual Integrations
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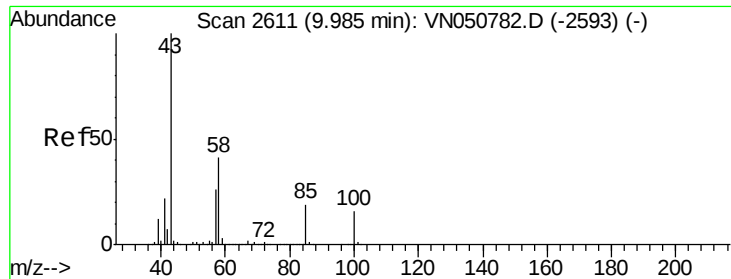
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#50
Toluene-d8
Concen: 50.64 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion	98	Resp	1438743
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 247.78 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 1646101

Ion Ratio Lower Upper

43 100

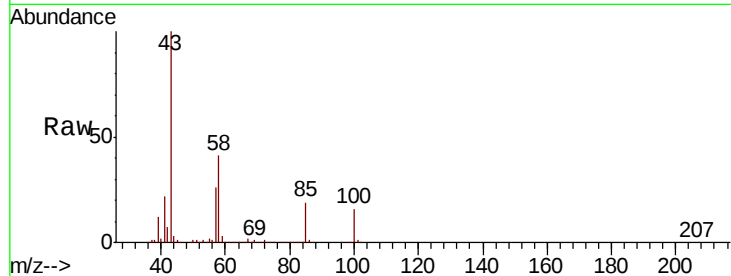
58 40.5 32.4 48.6

Manual Integrations

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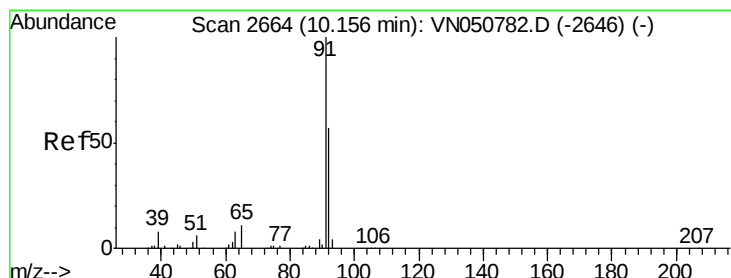
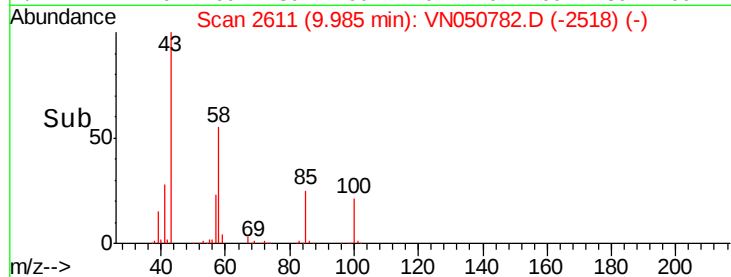
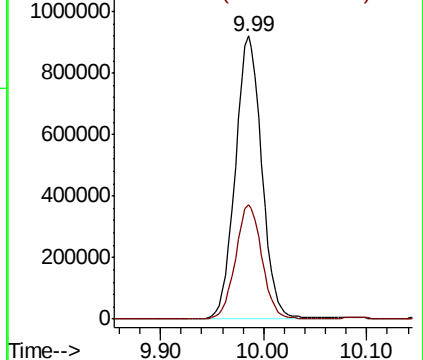
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.92 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050782.D

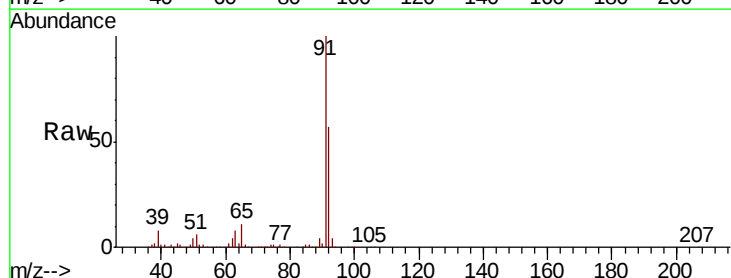
Acq: 21 Aug 2018 11:09

Tgt Ion: 92 Resp: 1045381

Ion Ratio Lower Upper

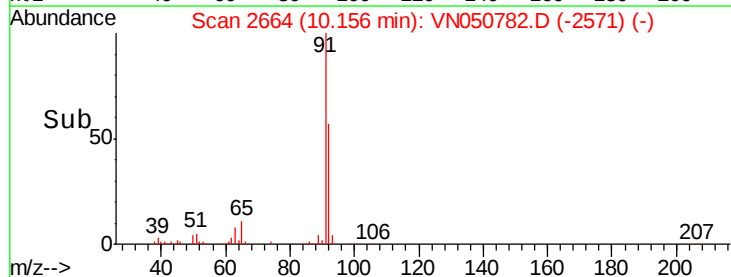
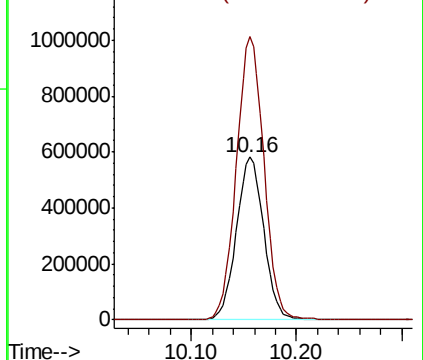
92 100

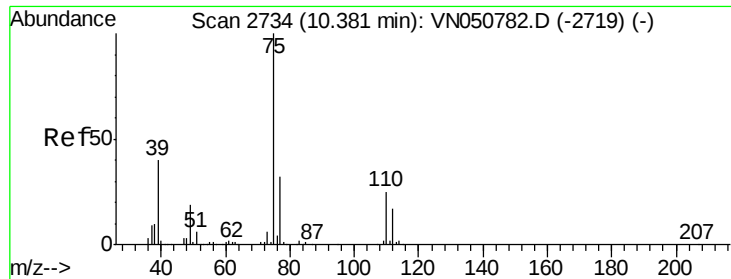
91 175.8 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





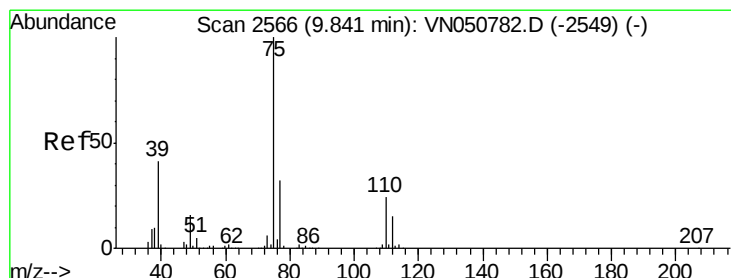
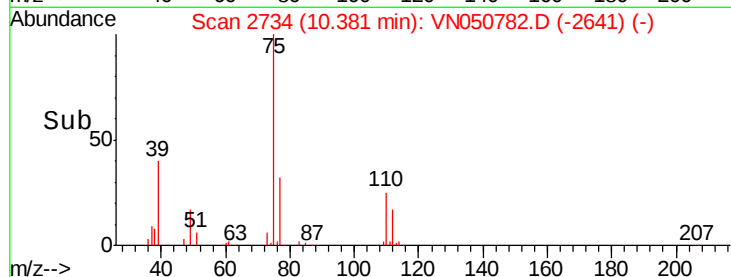
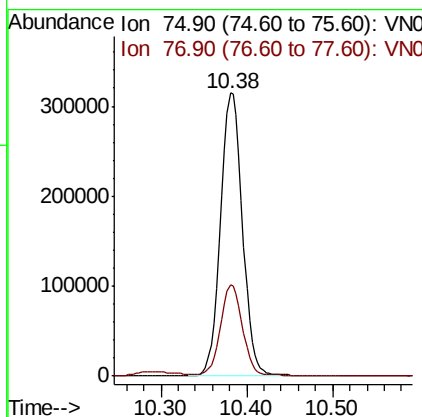
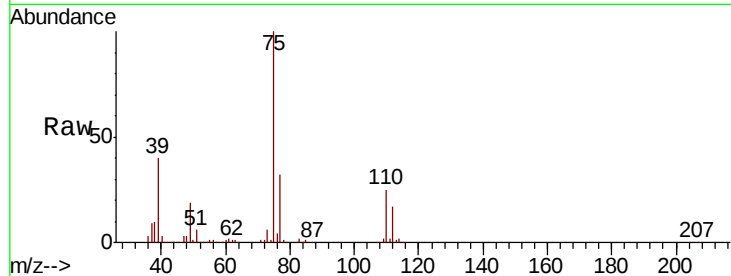
#53
t-1,3-Dichloropropene
Concen: 51.18 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5

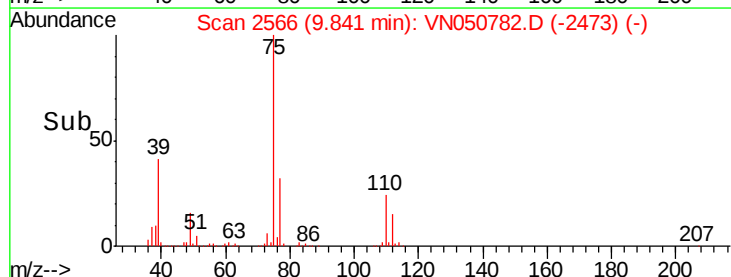
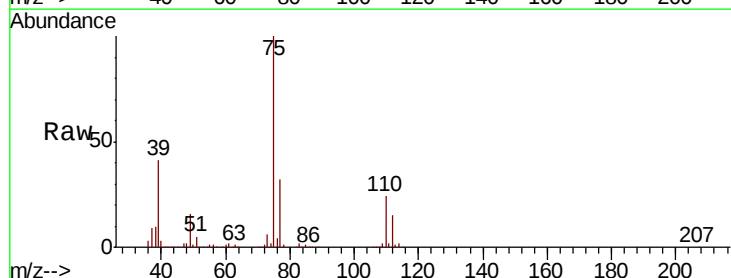
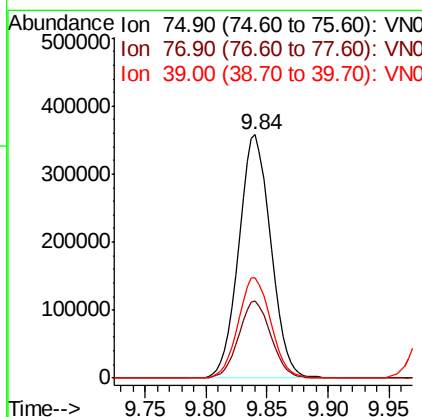
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#54
cis-1,3-Dichloropropene
Concen: 51.72 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2
39	41.2	33.0	49.4





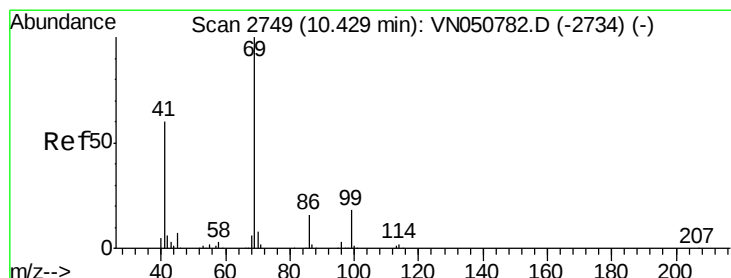
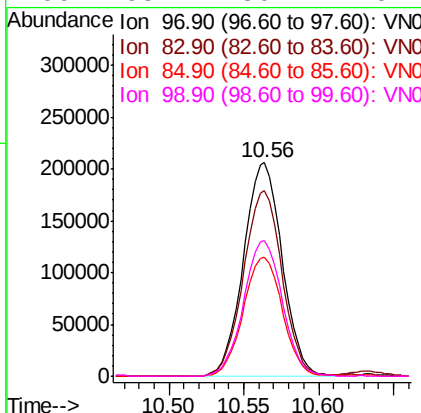
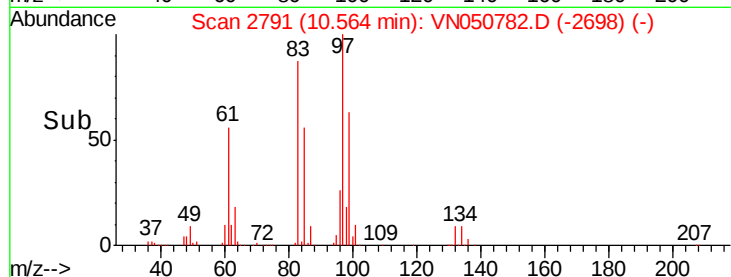
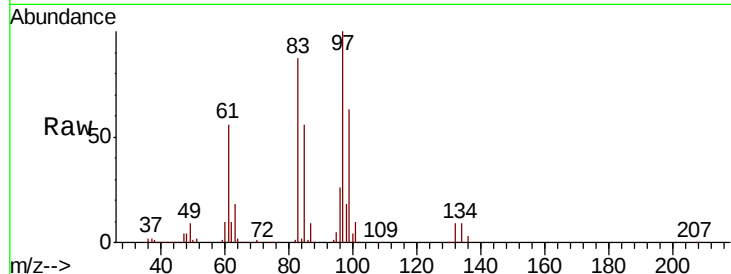
#55
 1,1,2-Trichloroethane
 Concen: 49.67 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		371166		
83	87.1	69.7	104.5		
85	55.6	44.5	66.7		
99	63.4	50.7	76.1		

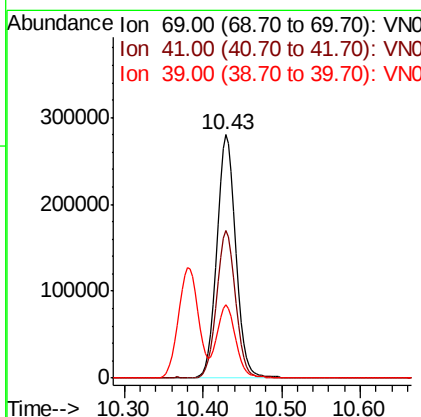
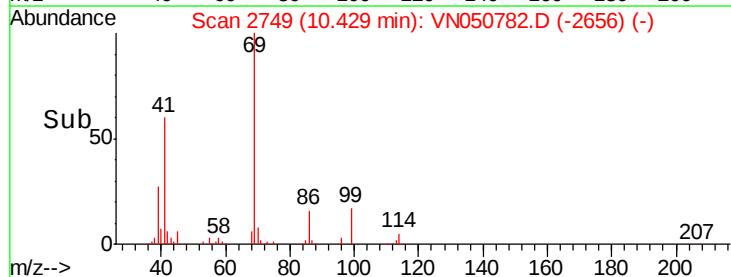
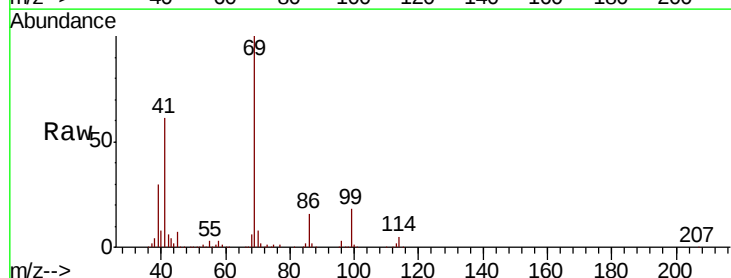
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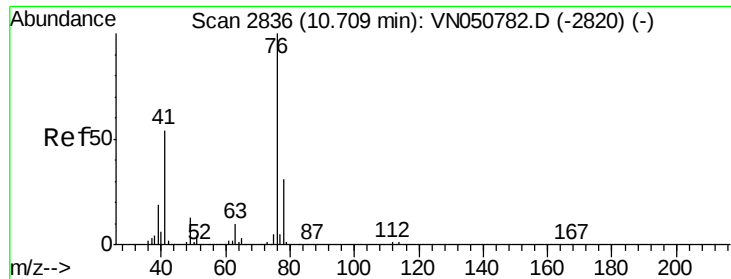
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#56
 Ethyl methacrylate
 Concen: 54.51 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		462022		
41	60.4	48.3	72.5		
39	30.0	24.0	36.0		





#57

1,3-Dichloropropane

Concen: 50.88 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 76 Resp: 627646

Ion Ratio Lower Upper

76 100

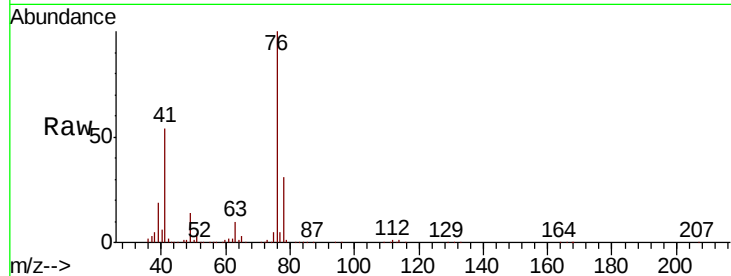
78 31.9 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

400000

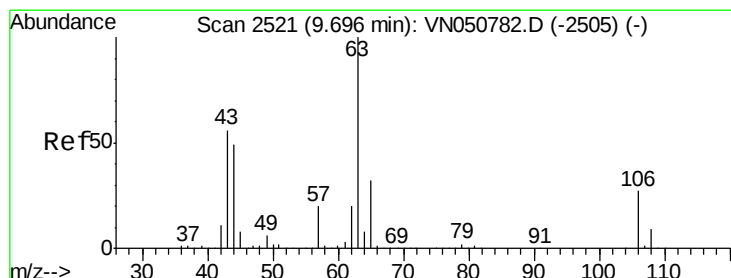
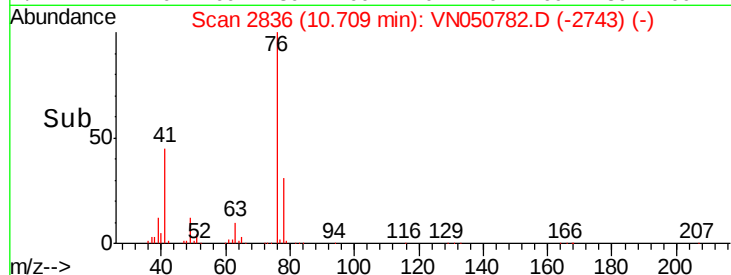
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 277.66 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050782.D

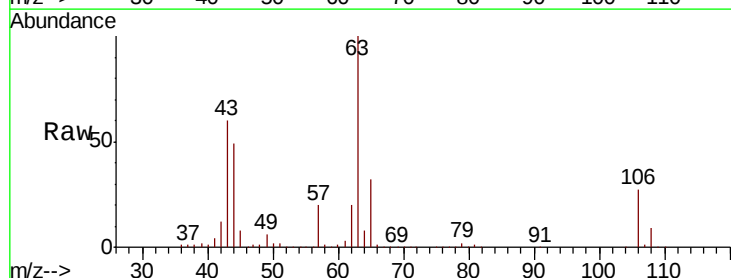
Acq: 21 Aug 2018 11:09

Tgt Ion: 63 Resp: 1004856

Ion Ratio Lower Upper

63 100

106 27.4 21.9 32.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

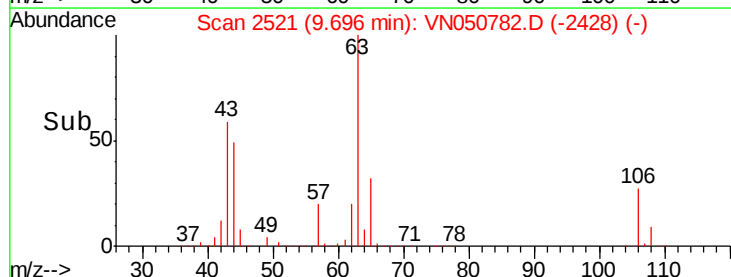
600000

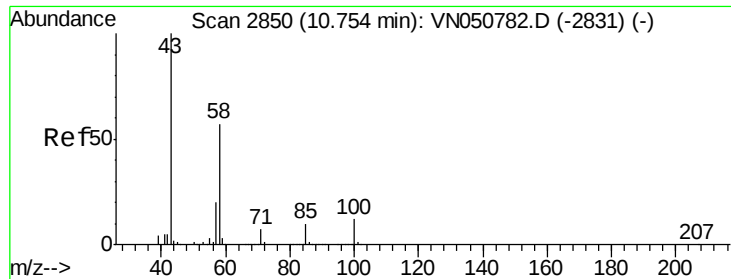
400000

200000

0

Time-->





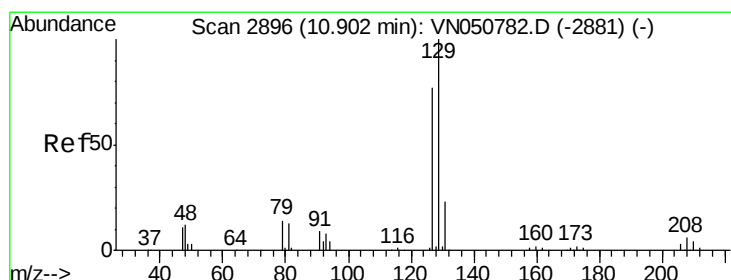
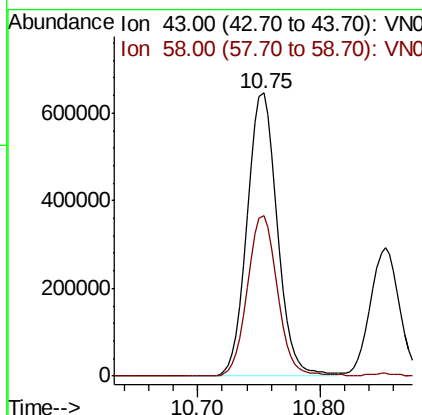
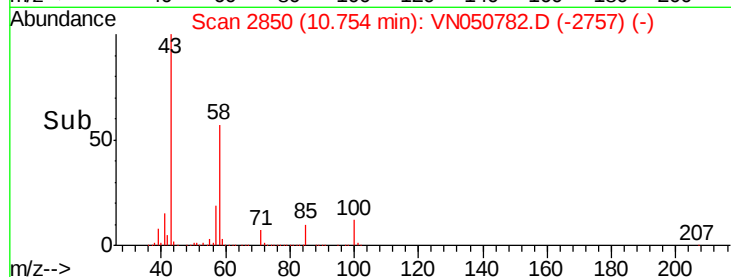
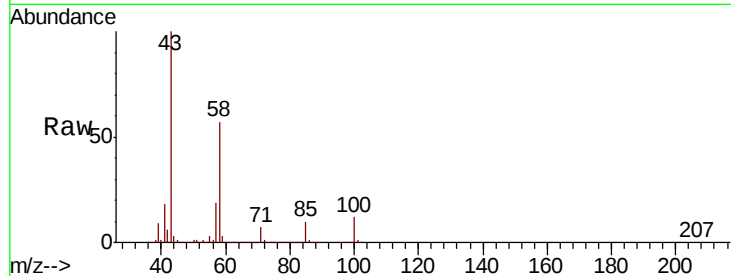
#59
2-Hexanone
Concen: 247.76 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1095753
Ion Ratio Lower Upper
43 100
58 56.7 28.3 85.0

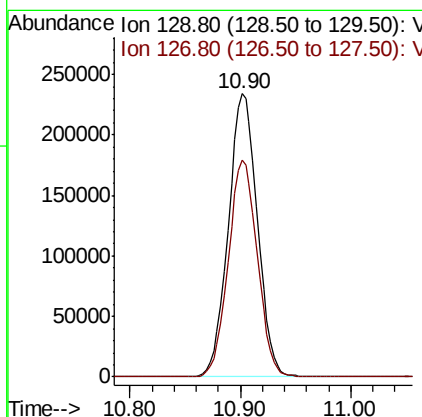
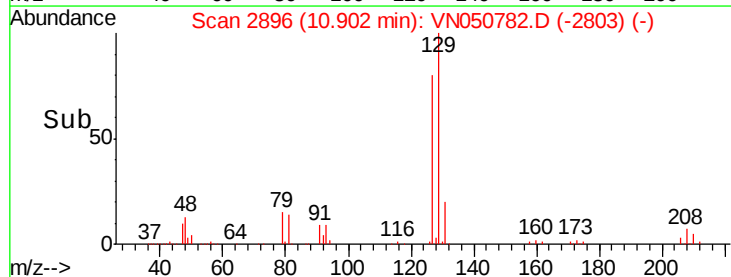
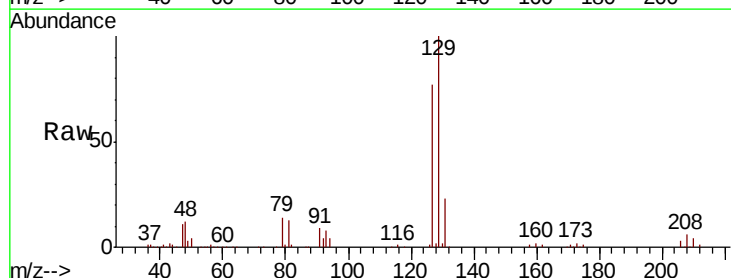
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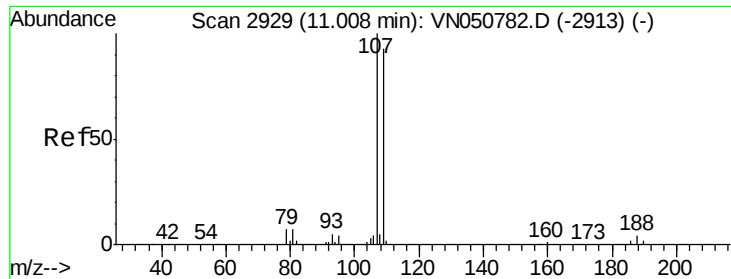
MMDadoda
8/22/2018 11:18:52 AM



#60
Dibromochloromethane
Concen: 51.06 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion: 129 Resp: 427269
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.9





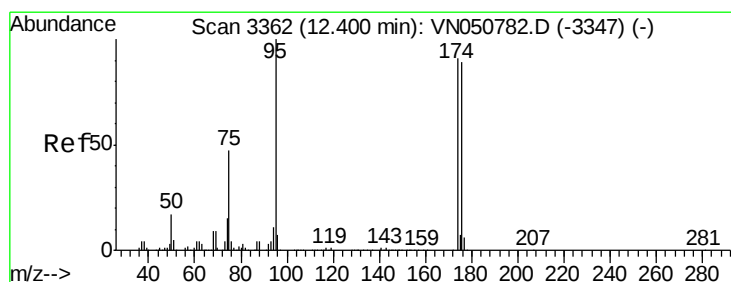
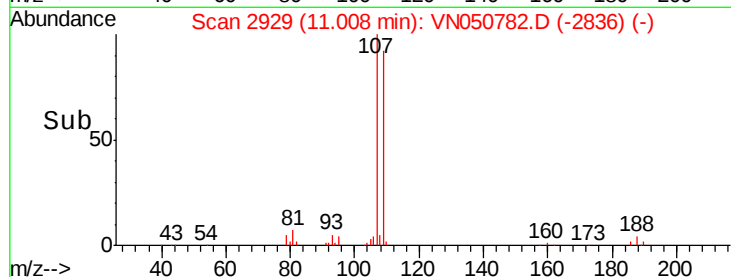
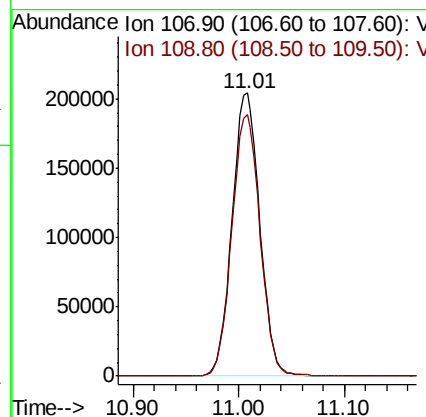
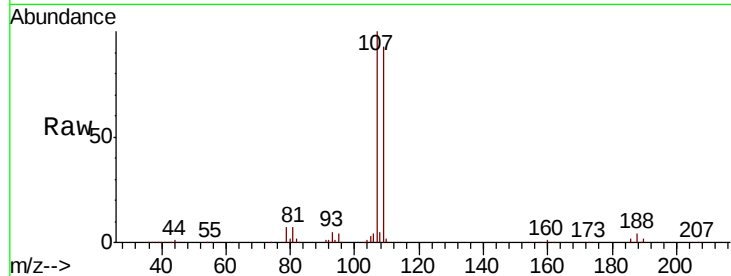
#61
 1,2-Dibromoethane
 Concen: 51.21 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.2

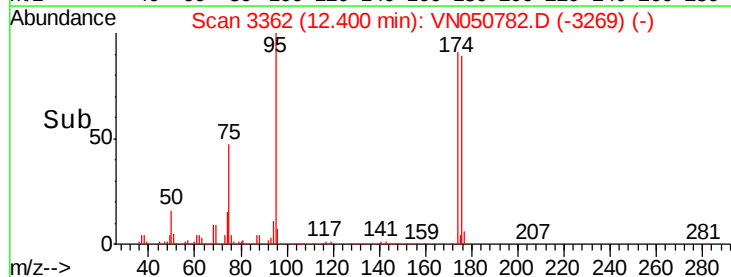
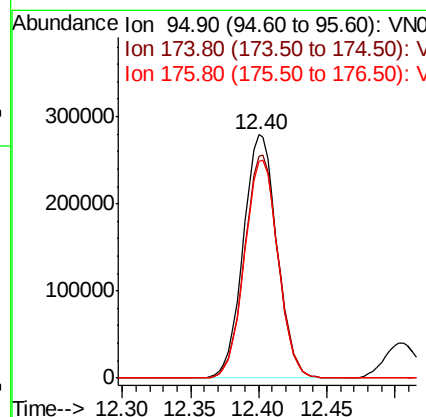
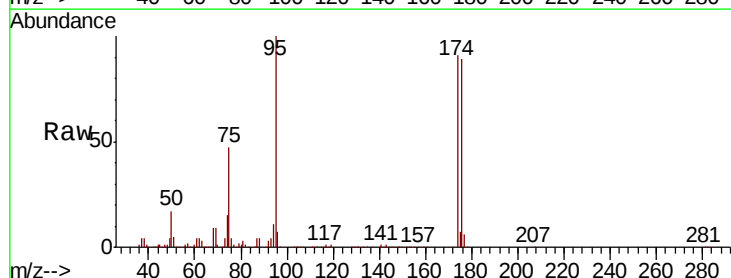
Manual Integrations
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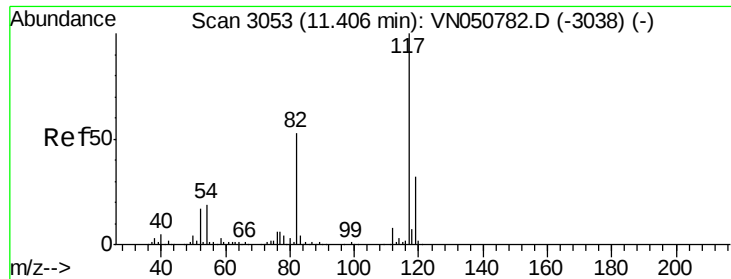
MMDadoda
 8/22/2018 11:18:52 AM



#62
 4-Bromofluorobenzene
 Concen: 50.52 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.5	0.0	183.0
176	89.4	0.0	178.8





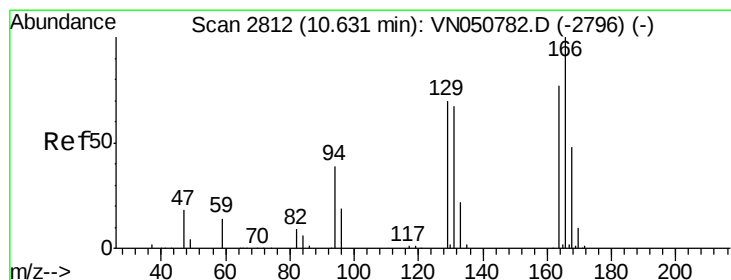
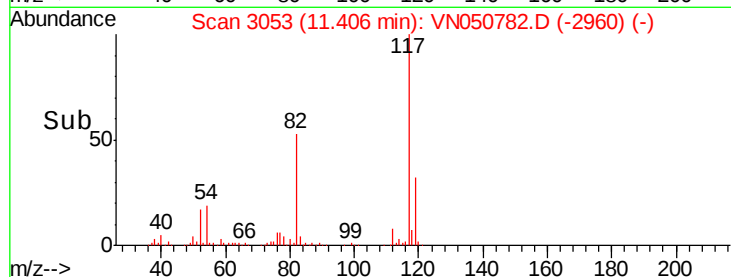
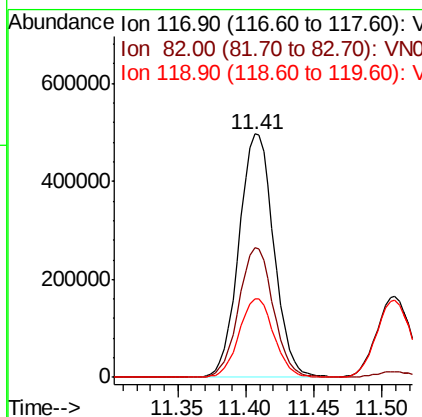
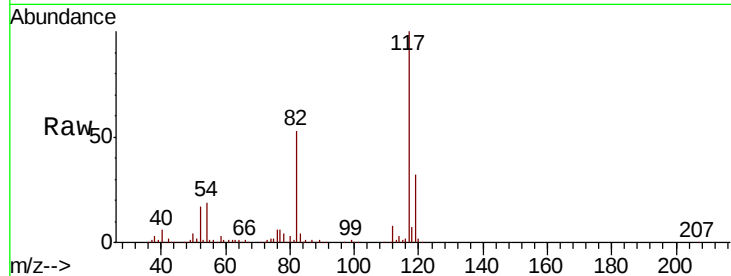
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.6	64.0
119	32.2	25.8	38.6

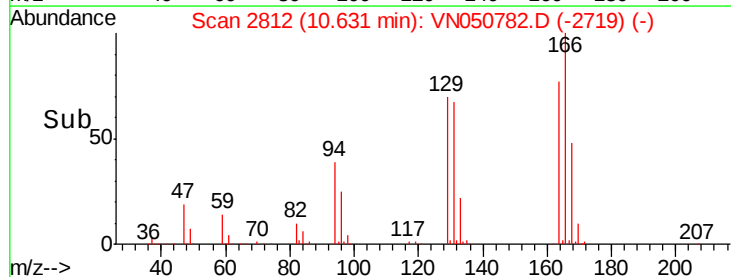
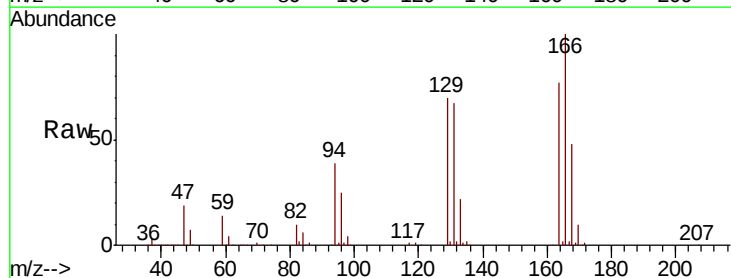
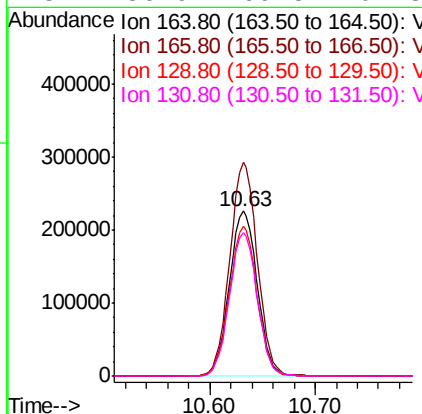
Manual Integrations
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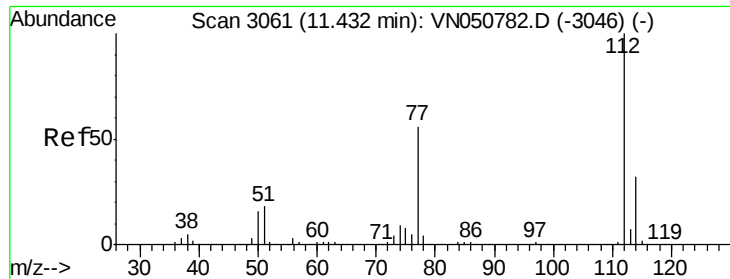
MMDadoda
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#64
Tetrachloroethene
Concen: 49.21 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.5	155.3
129	90.9	72.7	109.1
131	86.9	69.5	104.3





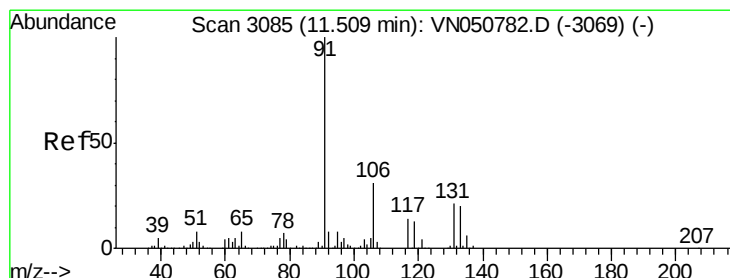
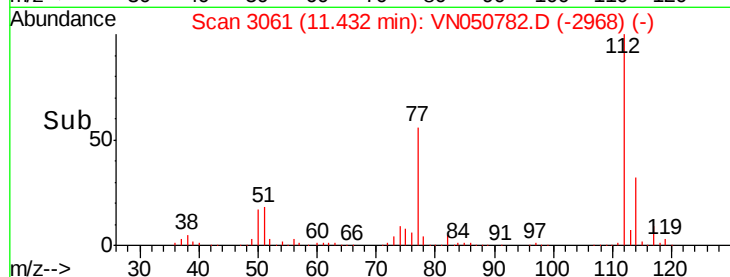
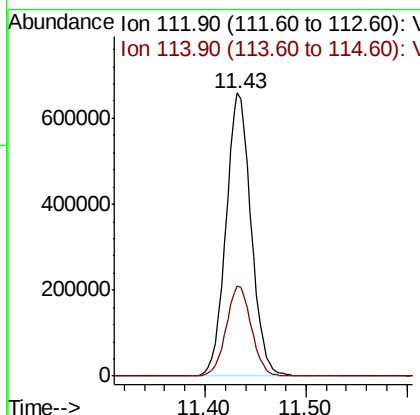
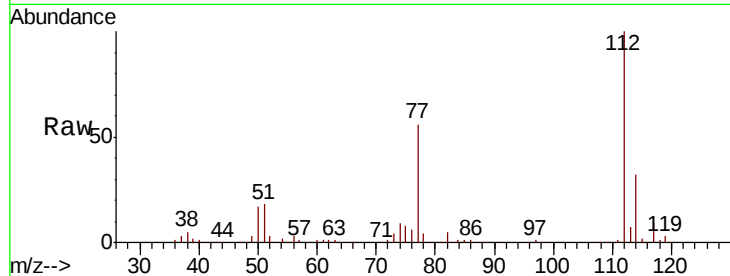
#65
Chlorobenzene
Concen: 49.55 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:112 Resp: 1142499
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

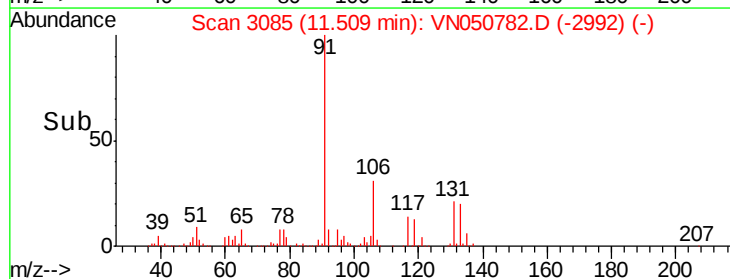
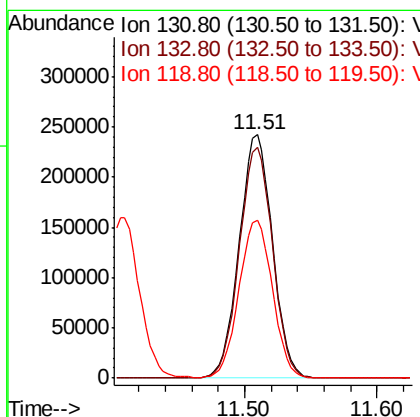
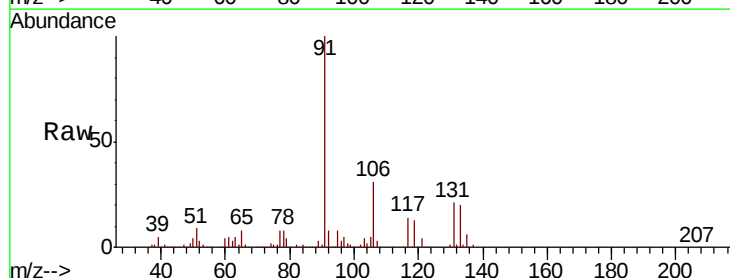
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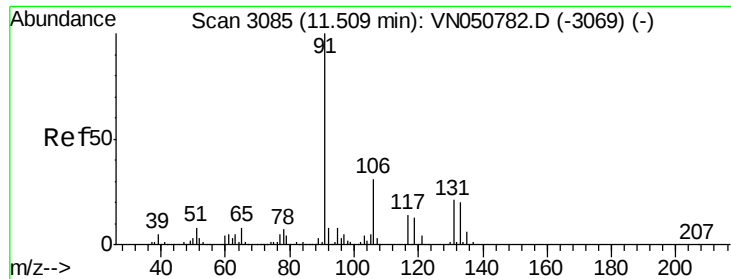
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.89 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion:131 Resp: 420885
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.3
119 65.6 32.8 98.4





#67

Ethyl Benzene

Concen: 52.40 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1964181

Ion Ratio Lower Upper

91 100

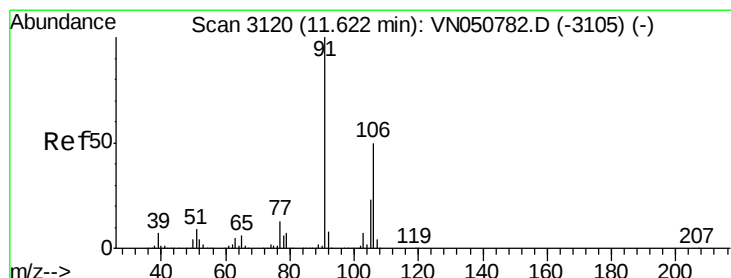
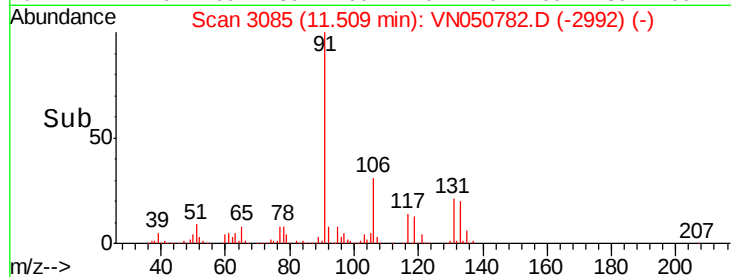
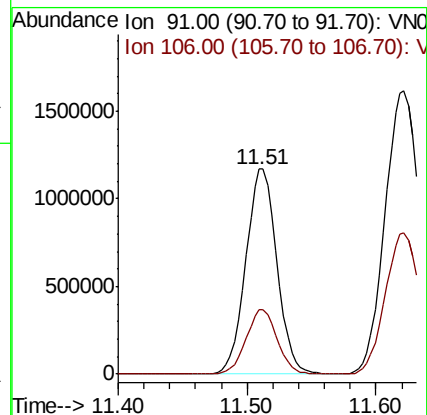
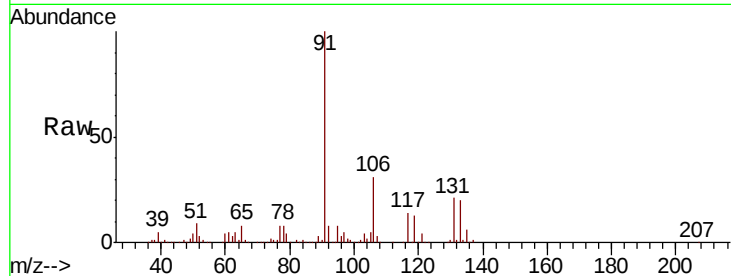
106 31.2 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 107.49 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050782.D

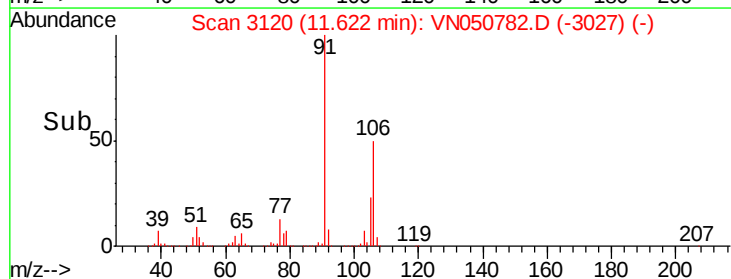
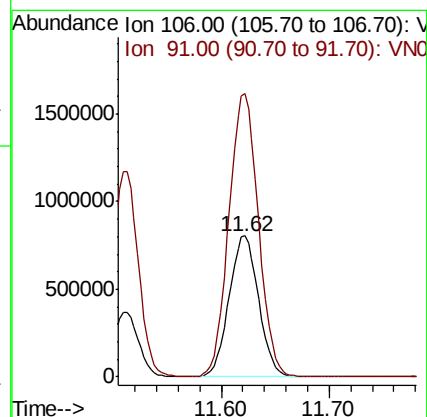
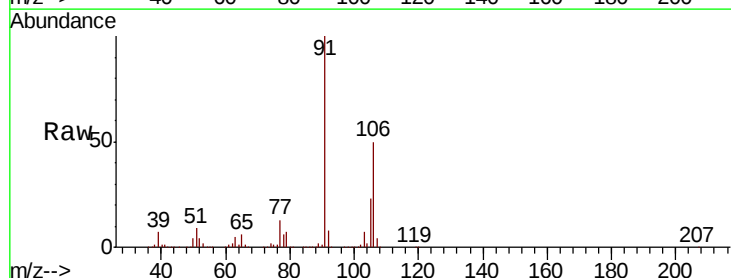
Acq: 21 Aug 2018 11:09

Tgt Ion: 106 Resp: 1529432

Ion Ratio Lower Upper

106 100

91 201.3 161.0 241.6





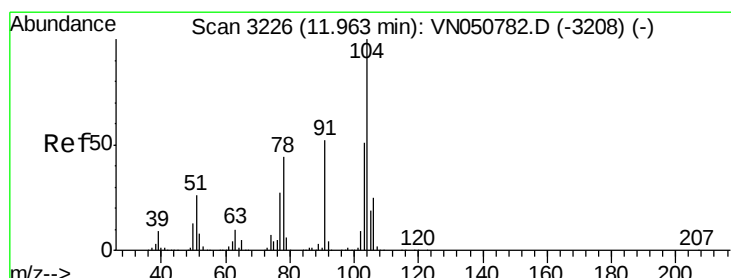
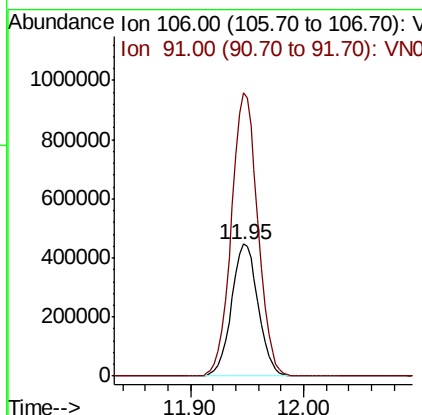
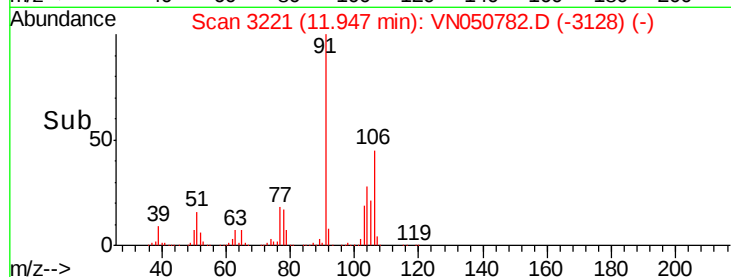
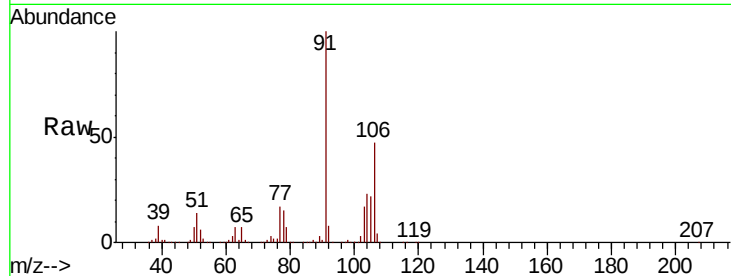
#69
o-Xylene
Concen: 53.47 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.0	106.5	319.5

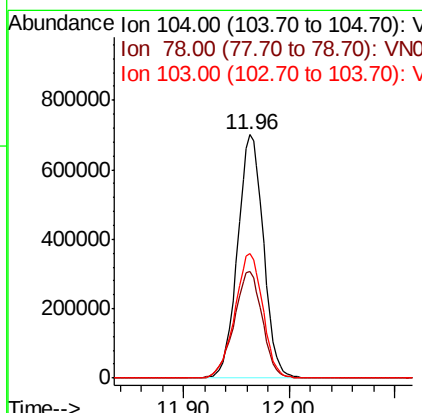
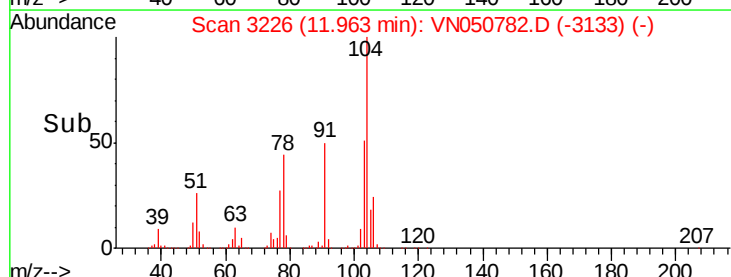
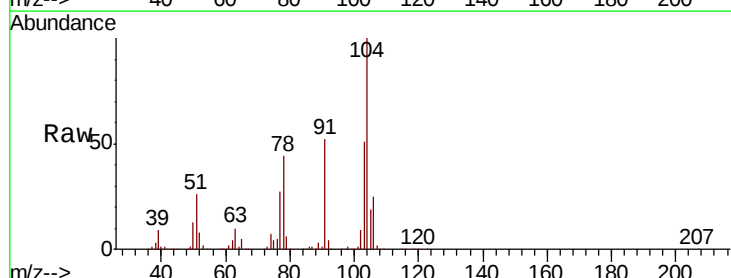
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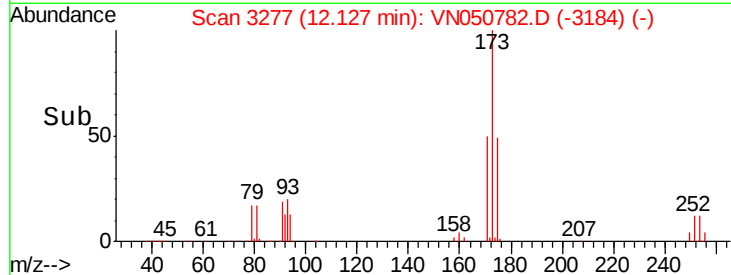
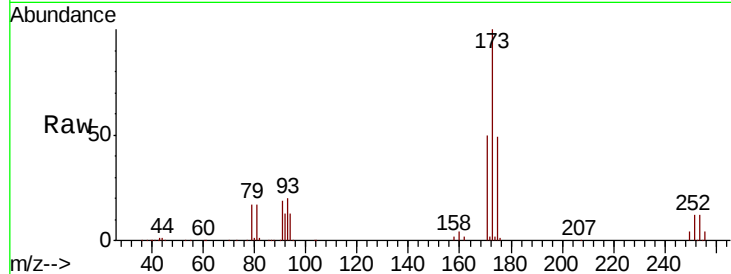
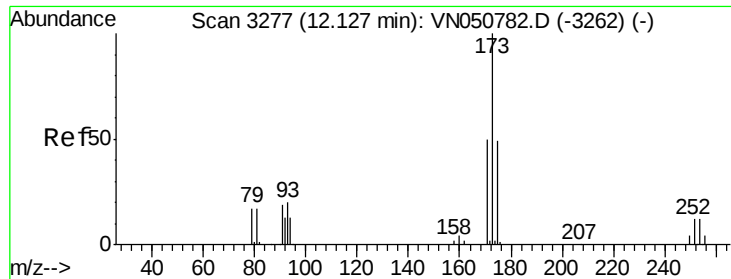
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#70
Styrene
Concen: 55.50 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.2	57.4
103	55.5	44.4	66.6





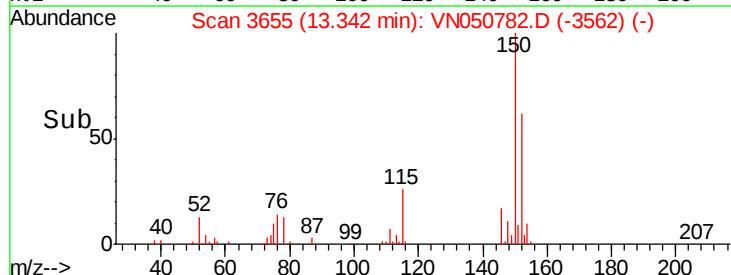
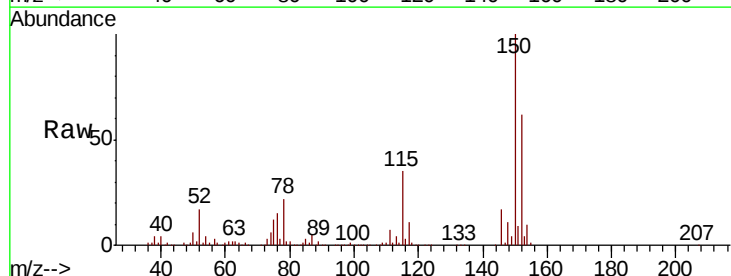
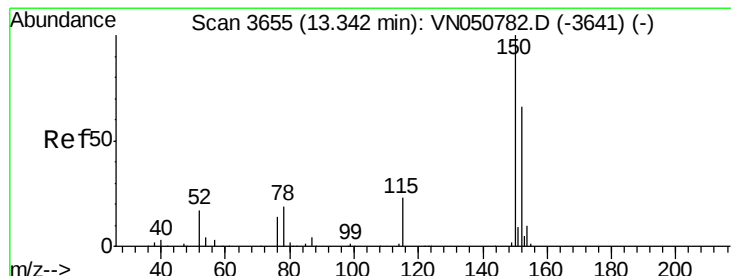
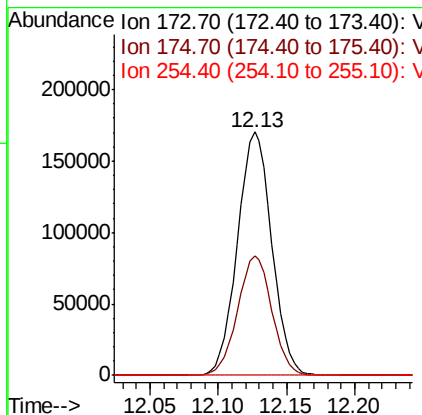
#71
Bromoform
Concen: 51.22 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tot Ion	Ratio	Resp	Lower	Upper
173	100	297151		
175	48.9	24.4	73.4	
254	0.1	0.1	0.1	

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

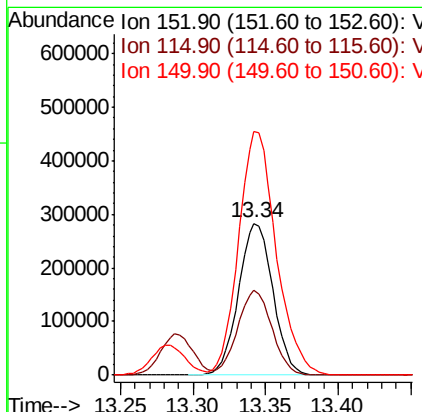
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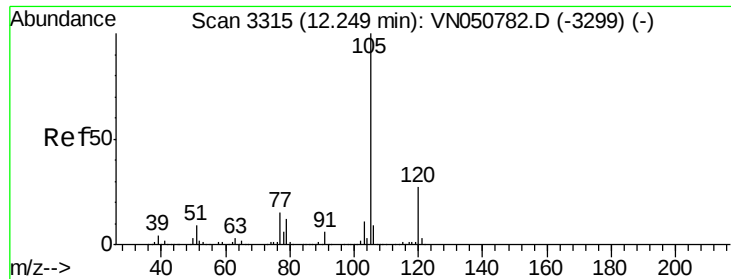
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	465137		
115	55.6	27.8	83.4	
150	175.7	0.0	351.4	





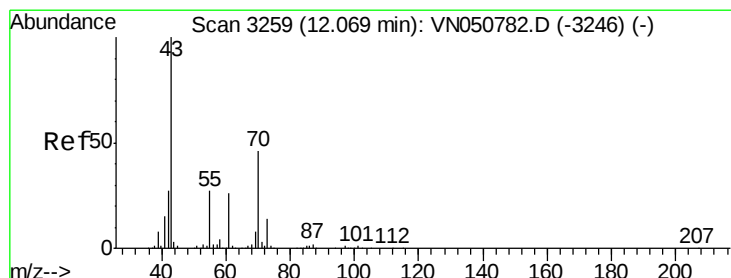
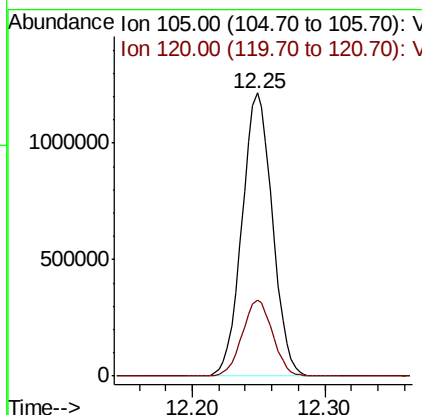
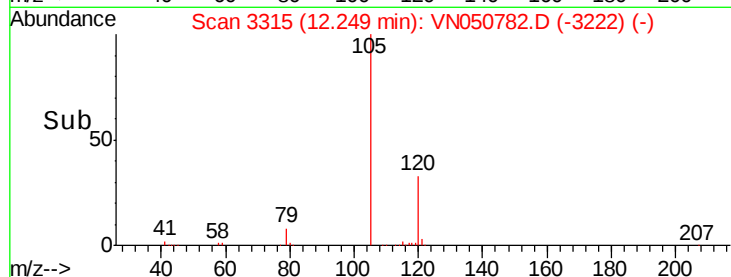
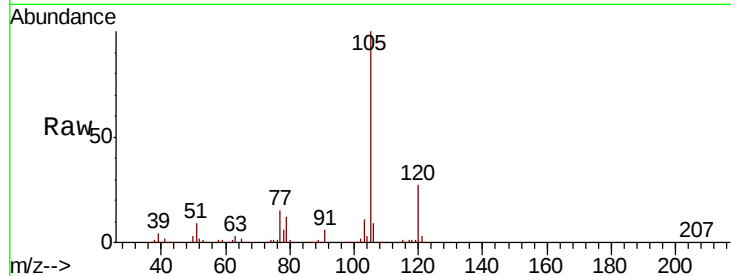
#73
Isopropylbenzene
Concen: 50.14 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:105 Resp: 1931094
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4

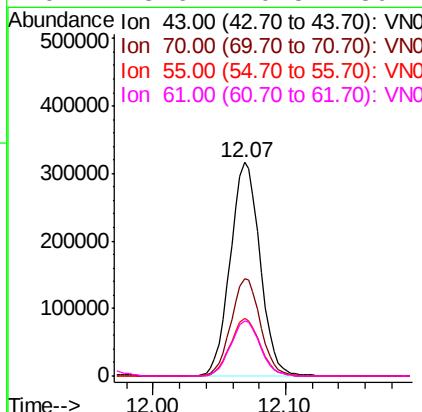
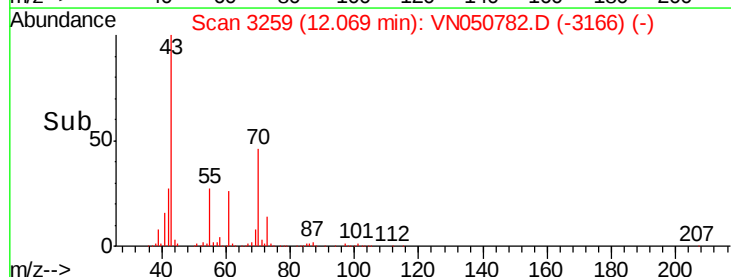
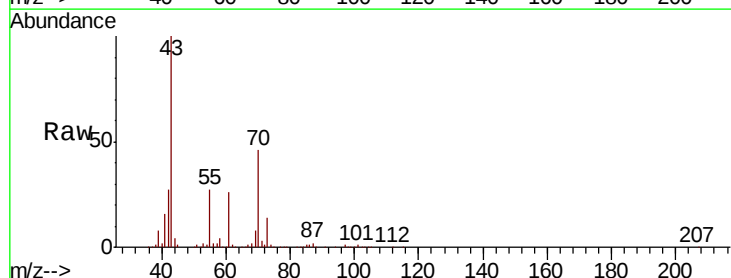
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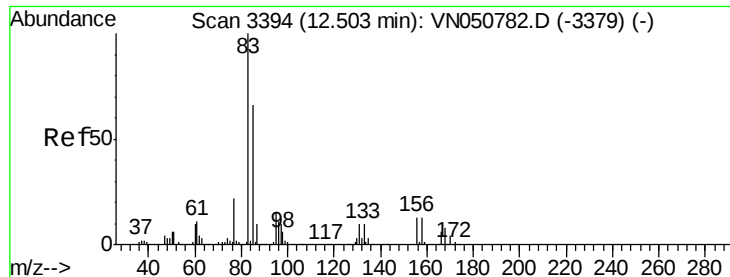
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#74
N-ethyl acetate
Concen: 50.94 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion: 43 Resp: 492961
Ion Ratio Lower Upper
43 100
70 45.2 36.2 54.2
55 27.3 21.8 32.8
61 25.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 45.24 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 469531
Ion Ratio Lower Upper

83 100

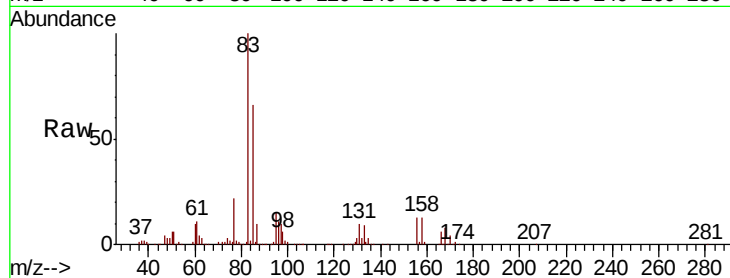
131 10.6 5.3 15.9

85 63.8 31.9 95.7

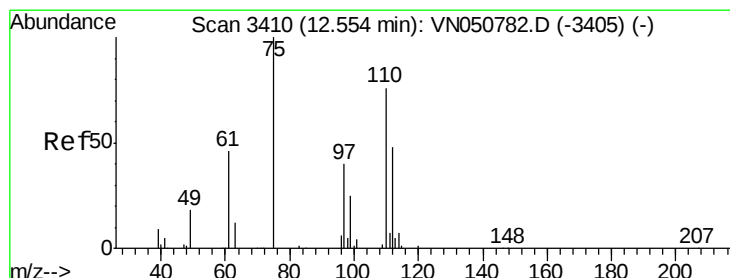
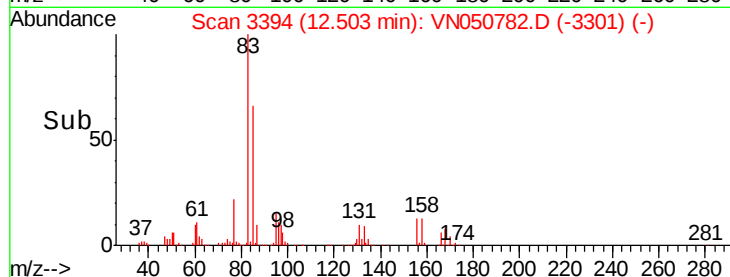
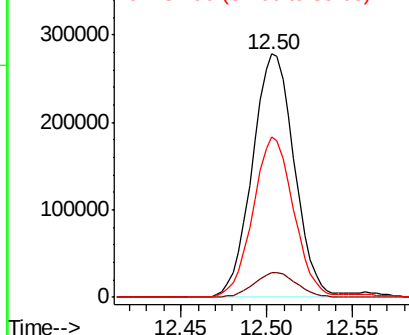
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 47.44 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

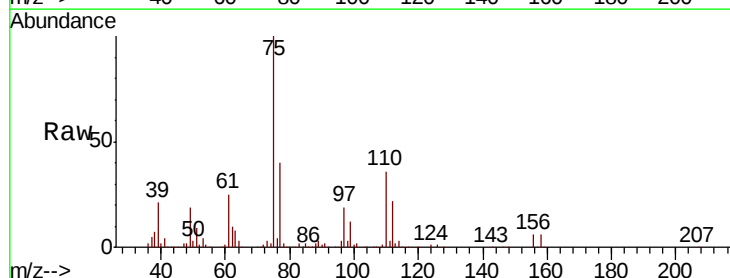
Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

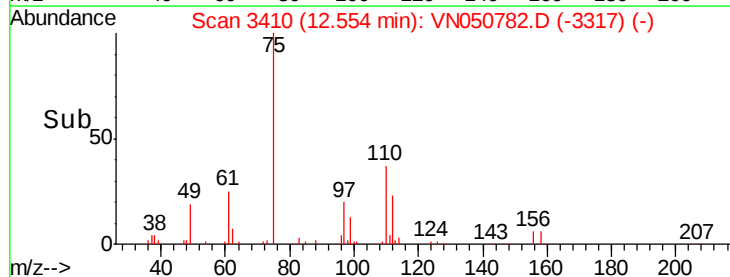
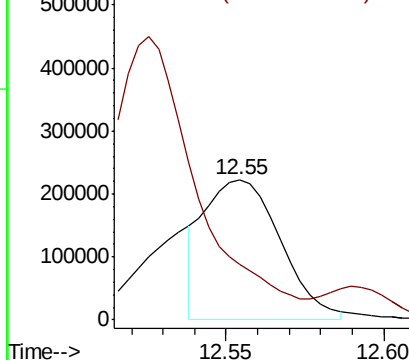
Tgt Ion: 75 Resp: 374166
Ion Ratio Lower Upper

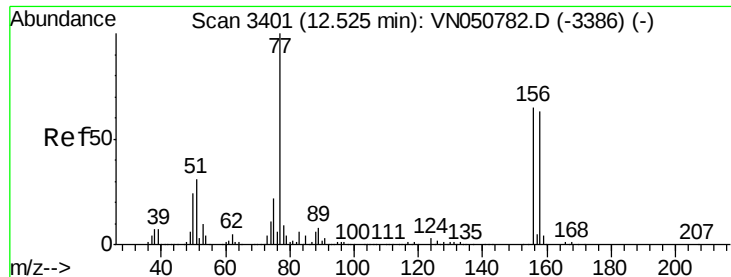
75 100

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: 47.11 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:156 Resp: 493126

Ion Ratio Lower Upper

156 100

77 179.8 89.9 269.7

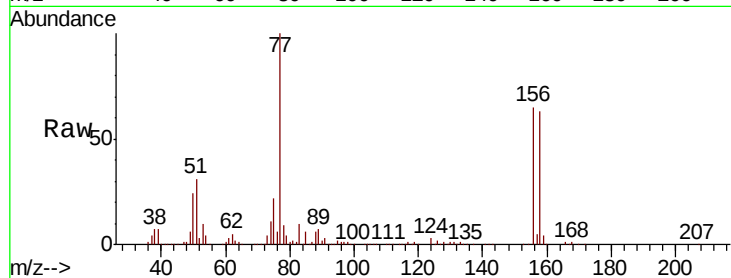
158 98.6 49.3 147.9

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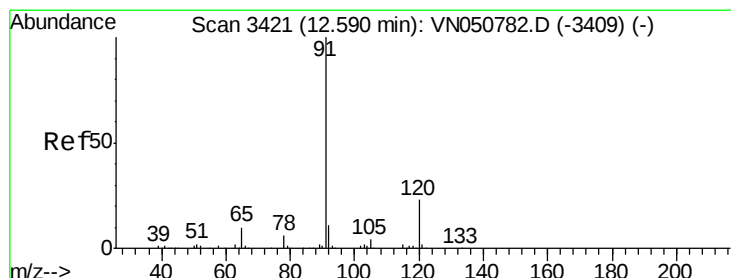
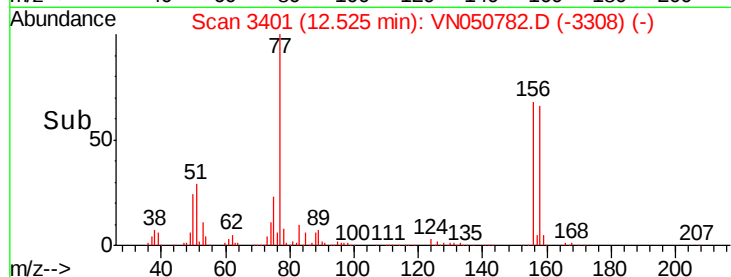
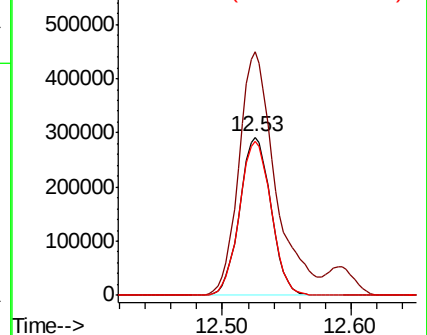
8/22/2018 11:18:52 AM



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: 51.54 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN050782.D

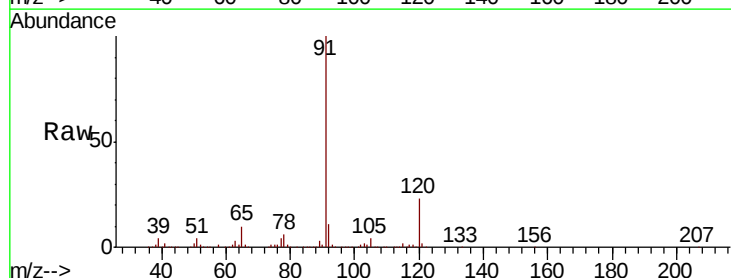
Acq: 21 Aug 2018 11:09

Tgt Ion: 91 Resp: 2217458

Ion Ratio Lower Upper

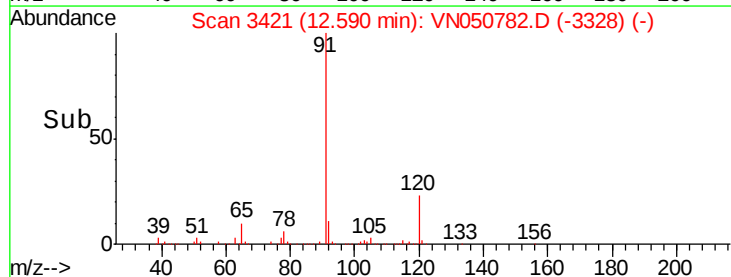
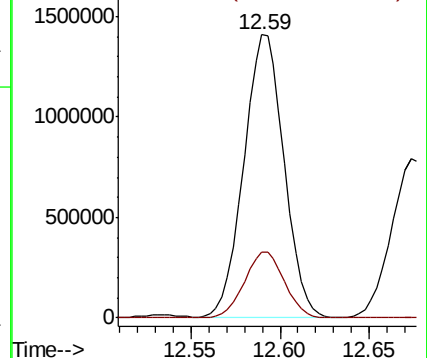
91 100

120 23.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.17 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 1317867

Ion Ratio Lower Upper

91 100

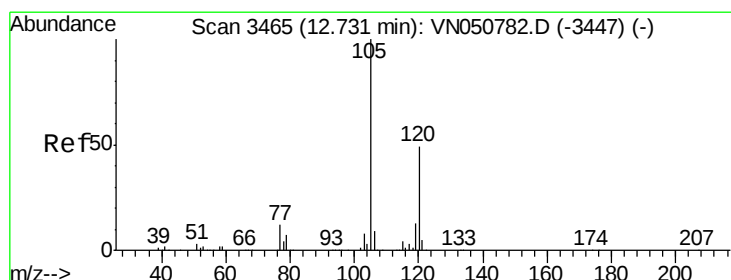
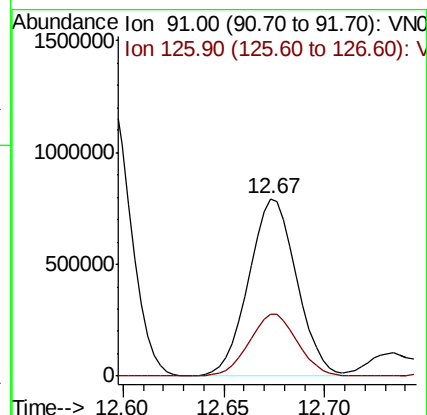
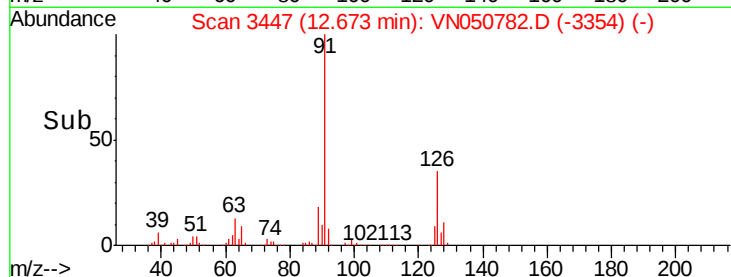
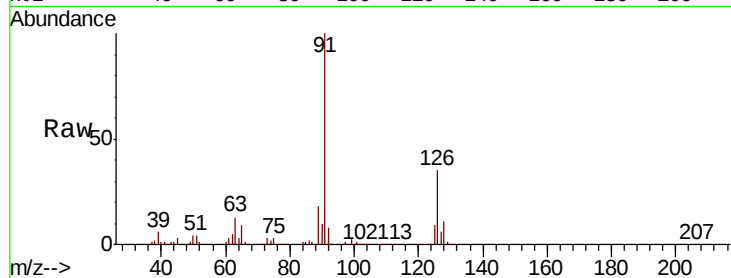
126 35.5 17.8 53.3

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#80

1,3,5-Trimethylbenzene

Concen: 51.87 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. 0.00 min

Lab File: VN050782.D

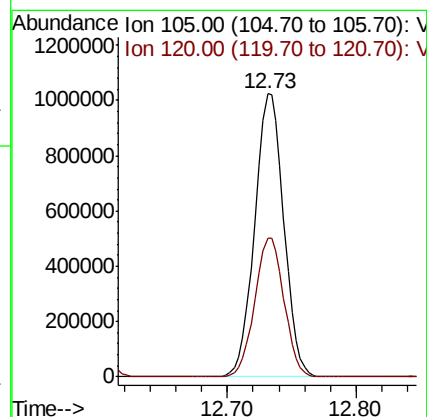
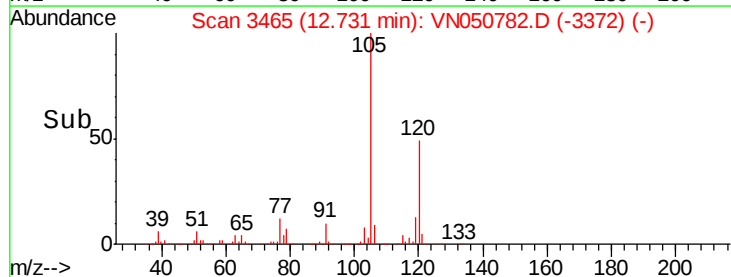
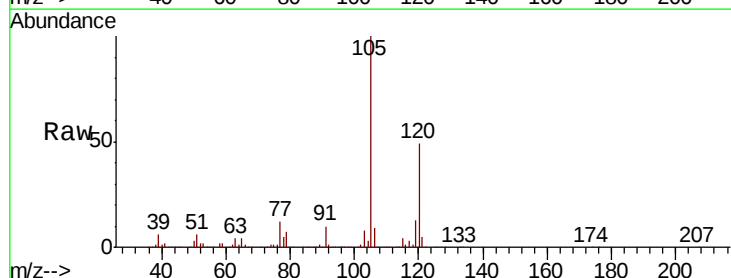
Acq: 21 Aug 2018 11:09

Tgt Ion: 105 Resp: 1611901

Ion Ratio Lower Upper

105 100

120 49.3 24.6 74.0





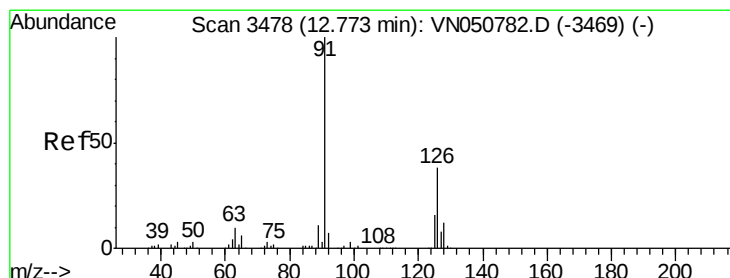
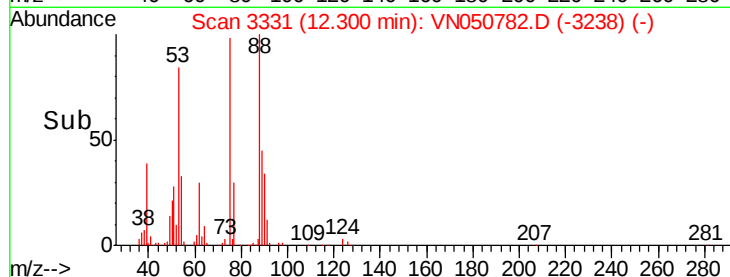
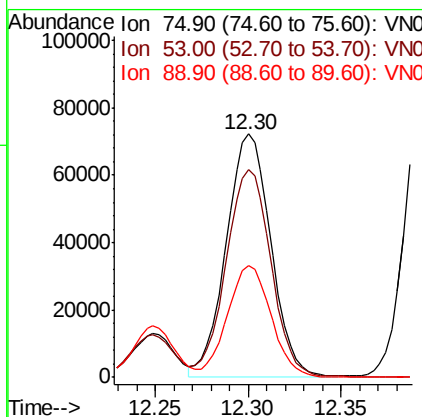
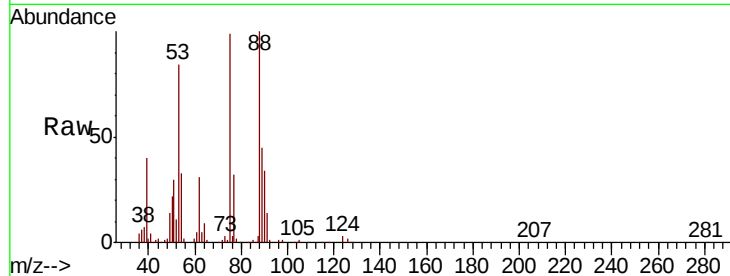
#81
trans-1,4-Dichloro-2-butene
Concen: 50.15 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.1	68.9	103.3
89	45.1	36.1	54.1

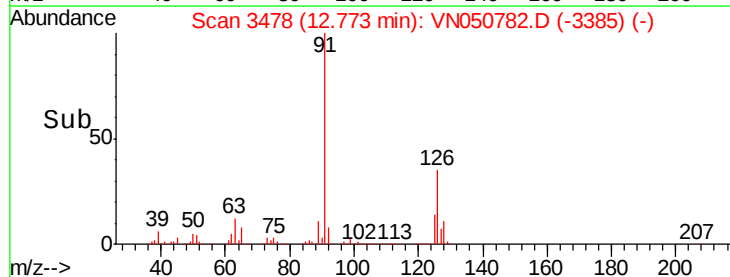
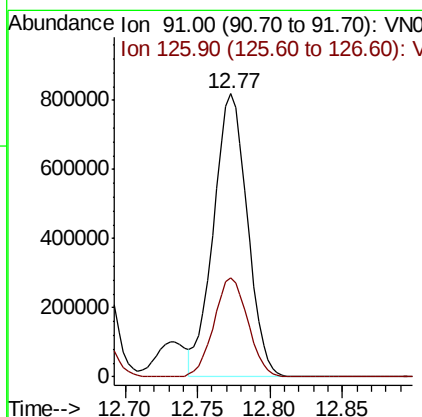
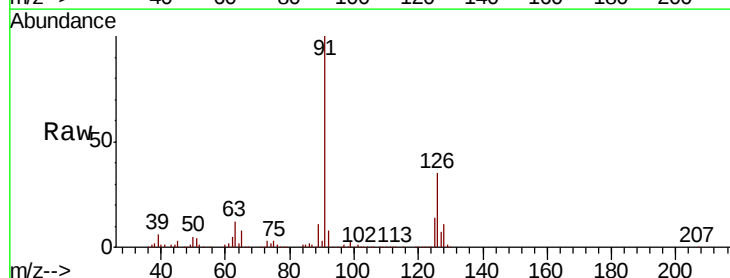
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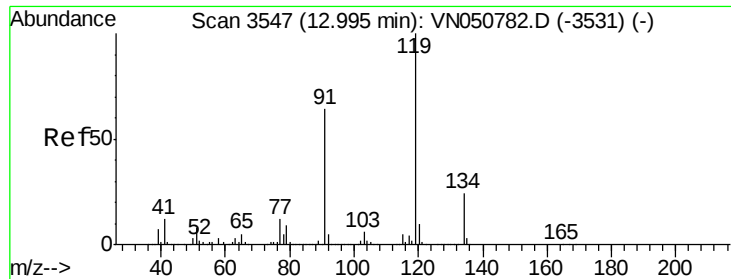
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.26 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.5	52.5





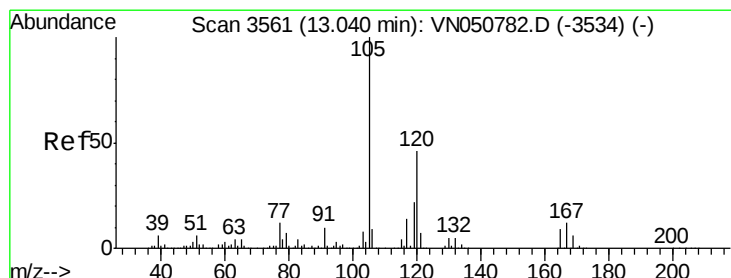
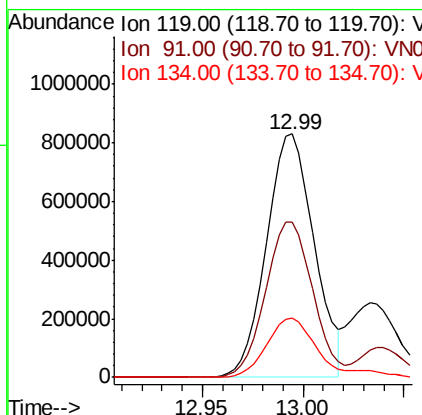
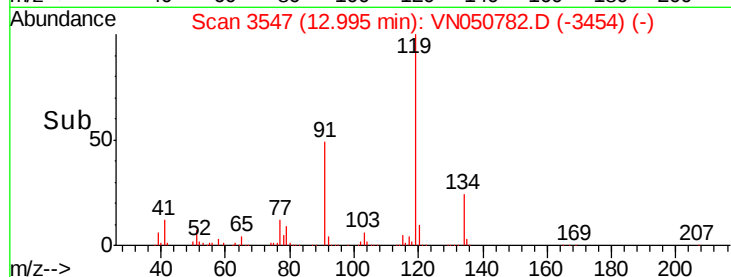
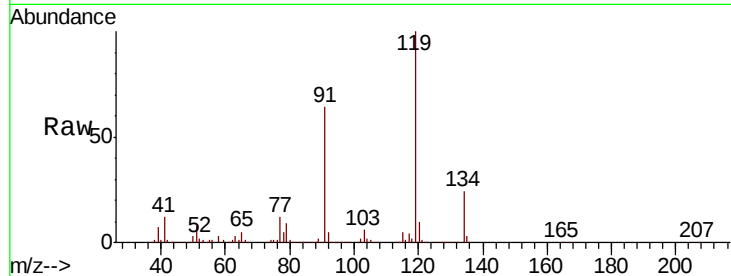
#83
 tert-Butylbenzene
 Concen: 50.70 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.1	31.6	94.7
134	26.7	13.4	40.1

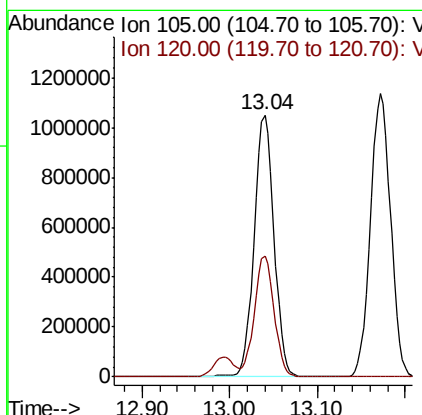
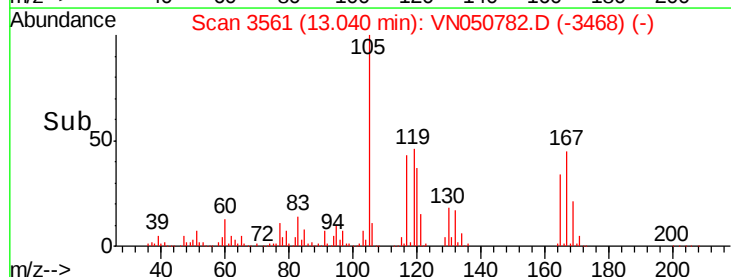
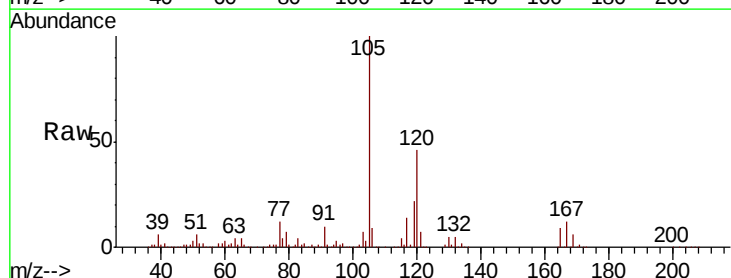
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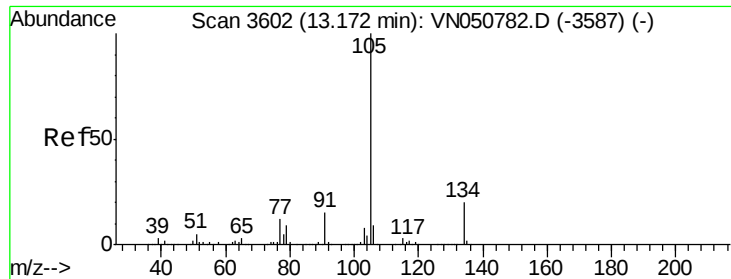
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.85 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.8





#85

sec-Butylbenzene

Concen: 51.36 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1811383

Ion Ratio Lower Upper

105 100

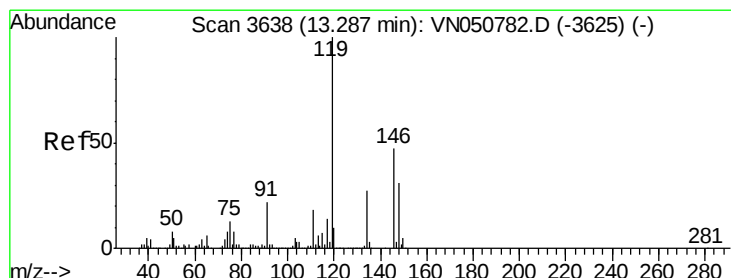
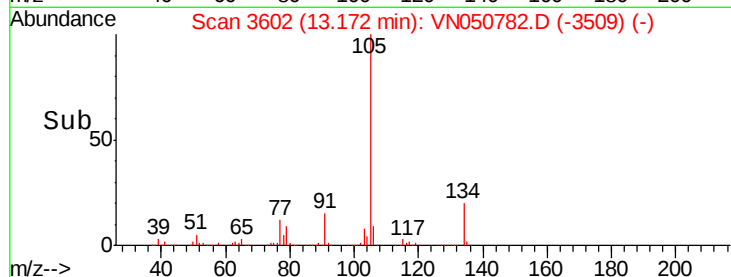
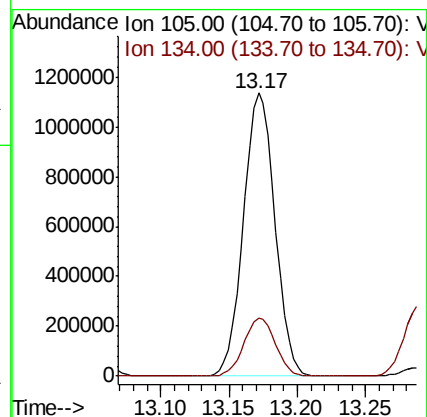
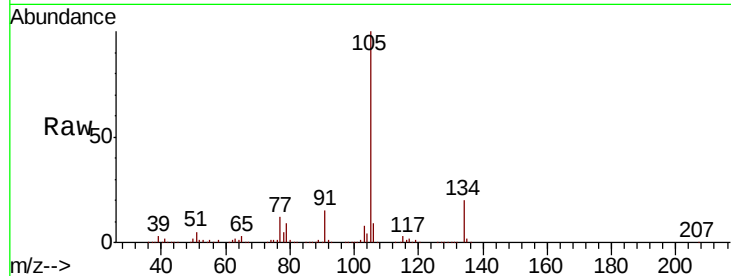
134 20.5 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 53.17 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

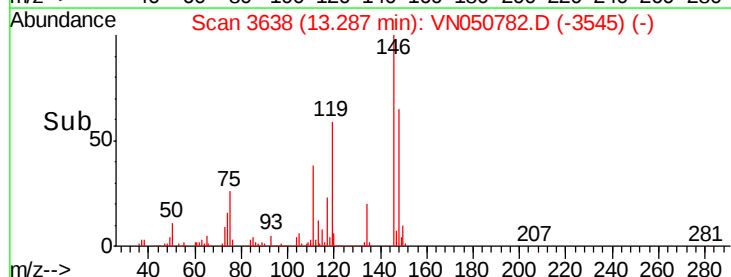
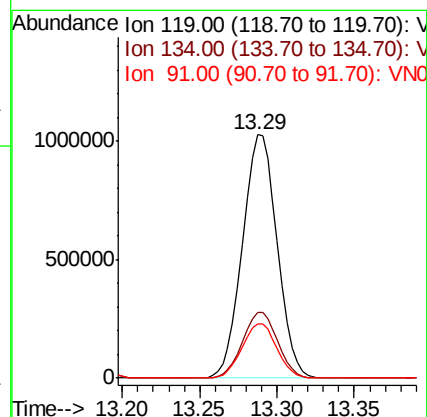
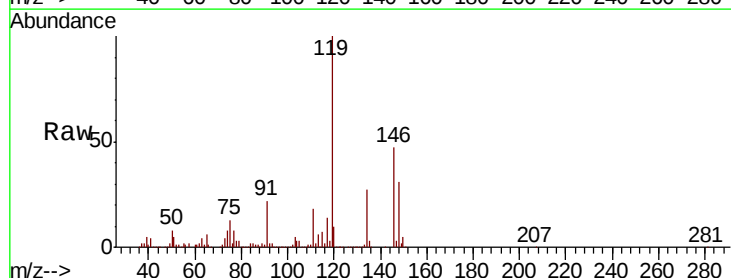
Tgt Ion:119 Resp: 1597762

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

91 22.3 11.2 33.5





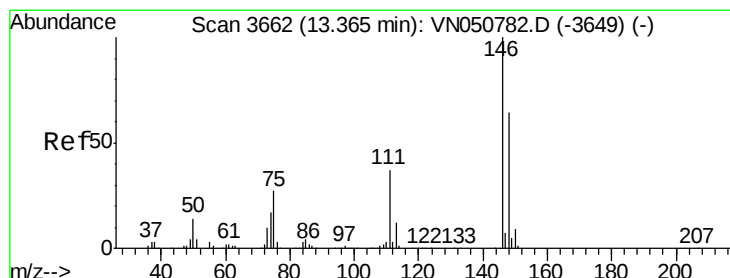
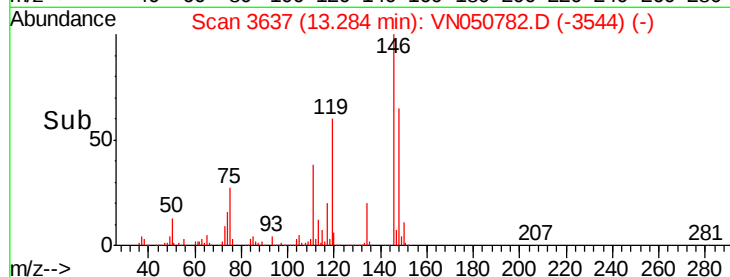
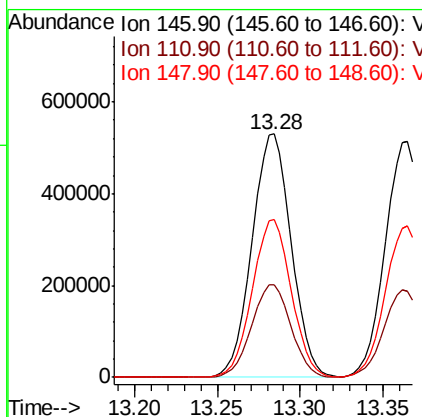
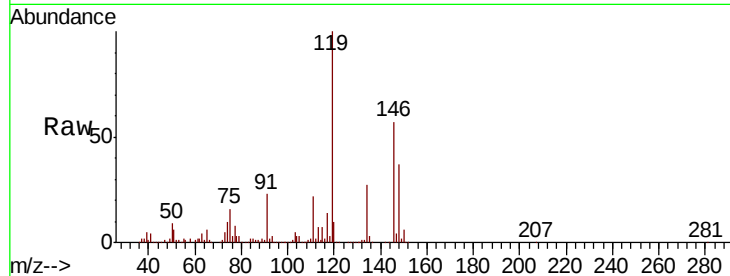
#87
 1,3-Dichlorobenzene
 Concen: 49.26 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.3
148	64.4	32.2	96.6

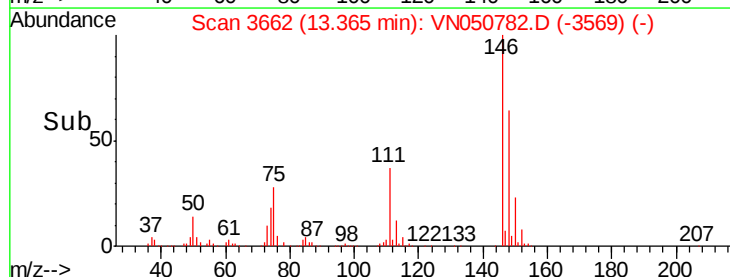
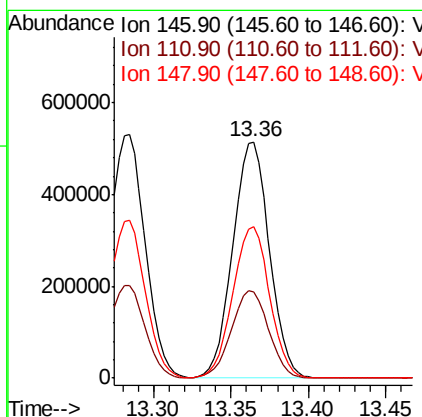
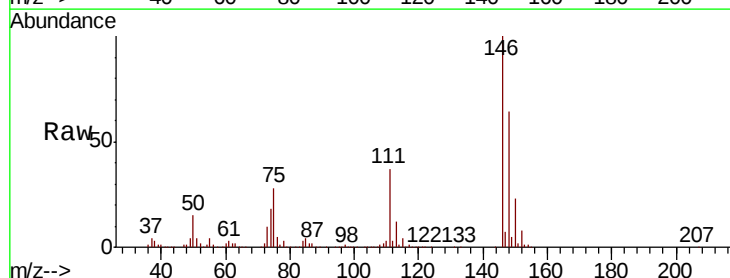
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#88
 1,4-Dichlorobenzene
 Concen: 48.35 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	64.4	32.2	96.6





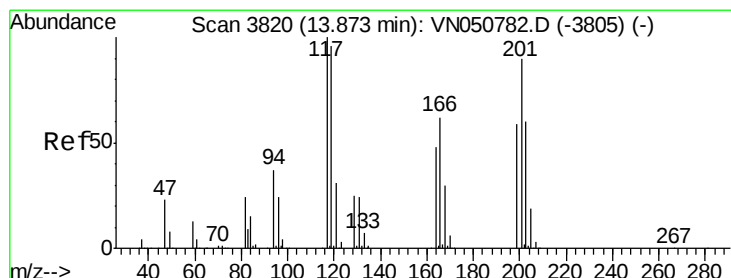
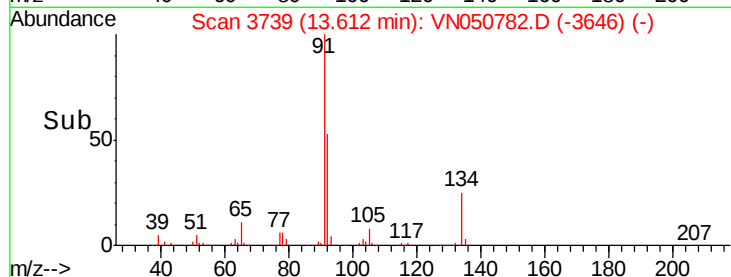
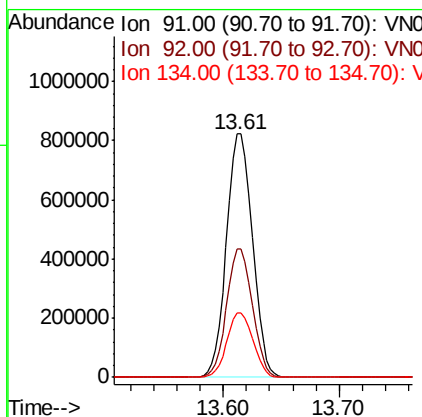
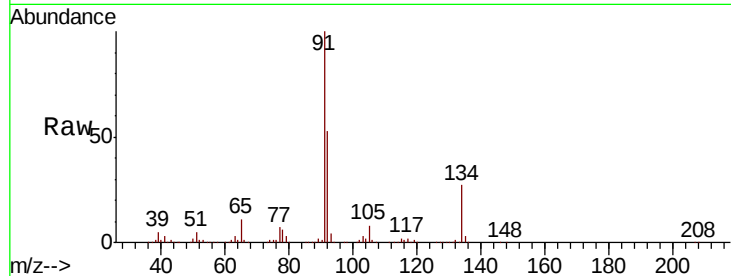
#89
n-Butylbenzene
Concen: 53.33 ug/l
RT: 13.61 min Scan# 3739
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1281820
Ion Ratio Lower Upper
91 100
92 52.1 26.1 78.2
134 26.4 13.2 39.6

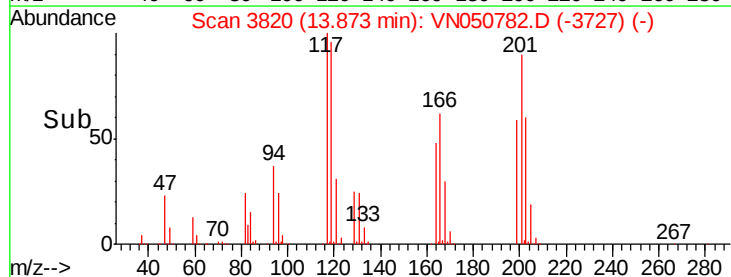
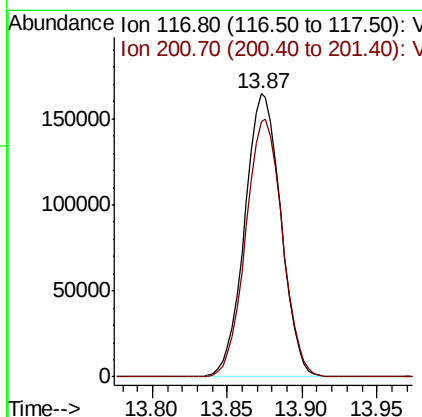
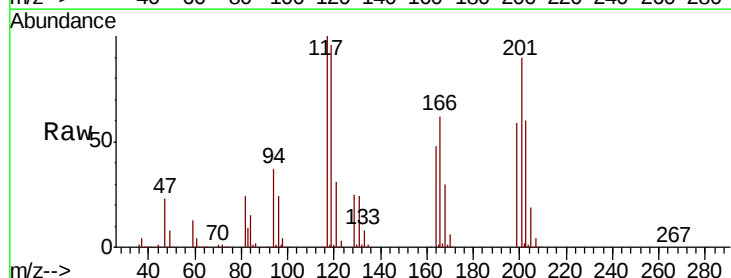
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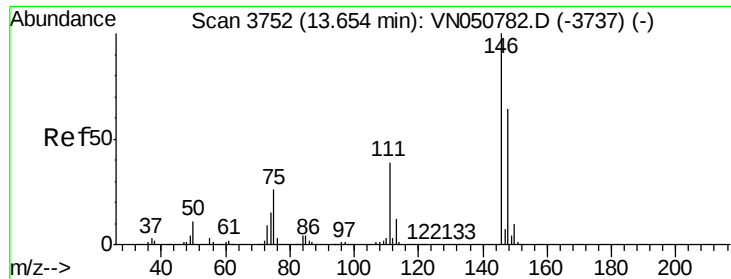
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#90
Hexachloroethane
Concen: 44.60 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN050782.D
Acq: 21 Aug 2018 11:09

Tgt Ion: 117 Resp: 277396
Ion Ratio Lower Upper
117 100
201 91.9 46.0 137.8





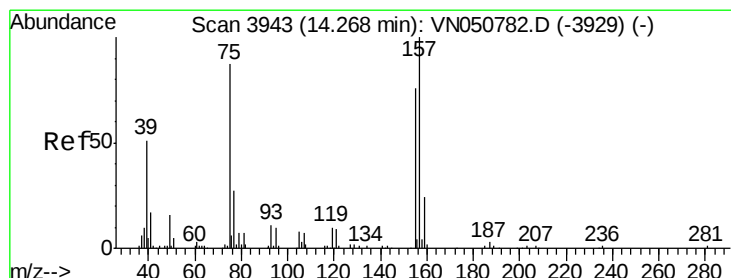
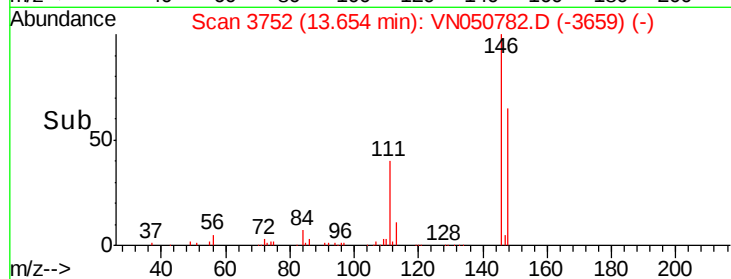
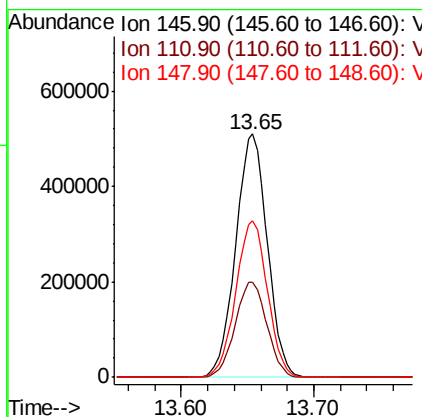
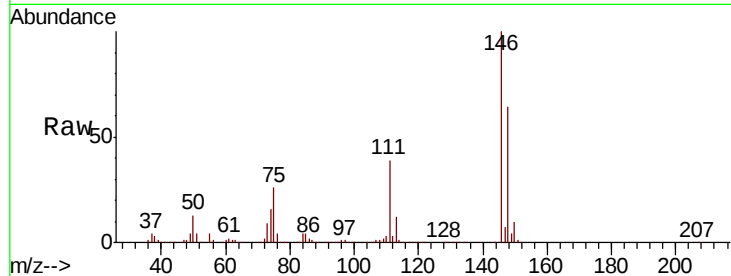
#91
 1,2-Dichlorobenzene
 Concen: 49.10 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	64.5	32.3	96.8

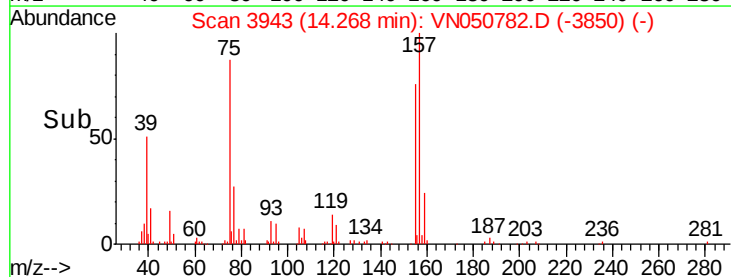
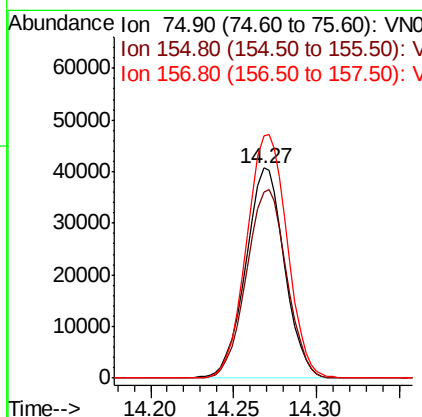
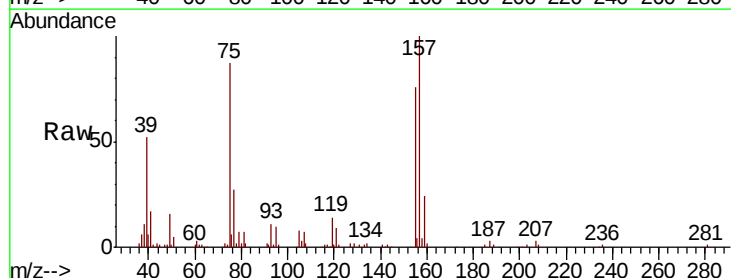
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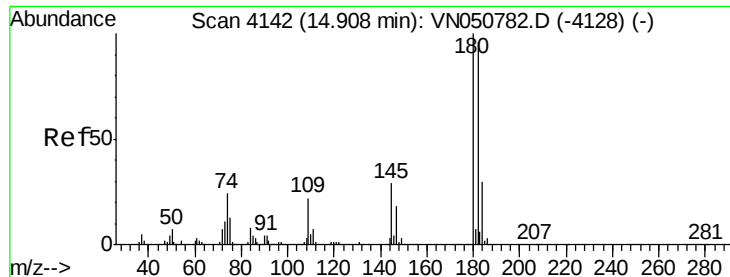
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.99 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	46.4	139.1
157	121.3	60.7	182.0





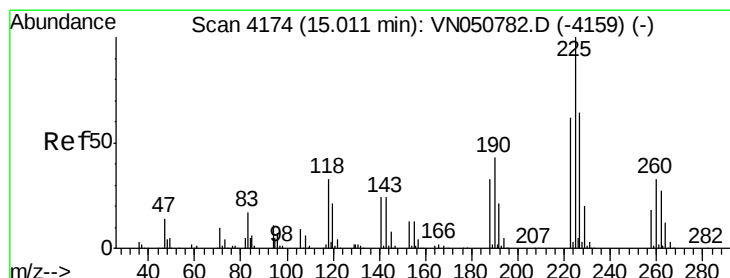
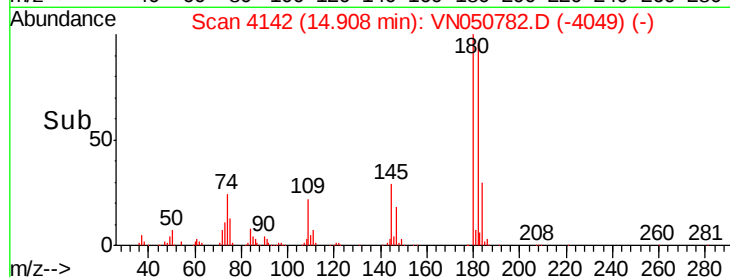
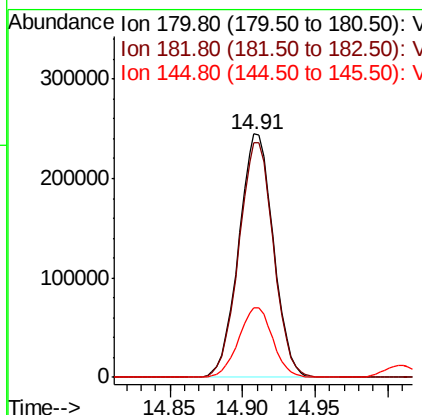
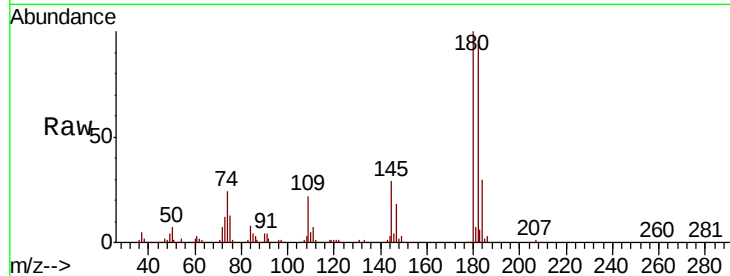
#93
 1,2,4-Trichlorobenzene
 Concen: 54.36 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.4	48.2	144.6	
145	28.1	14.1	42.2	

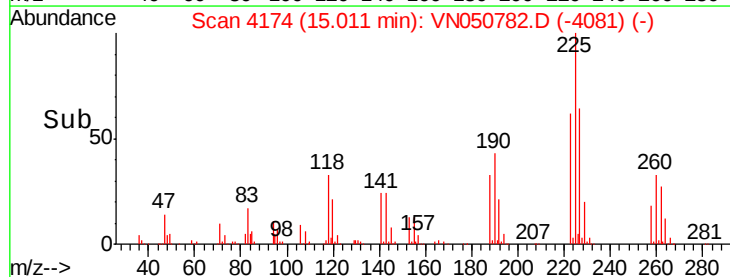
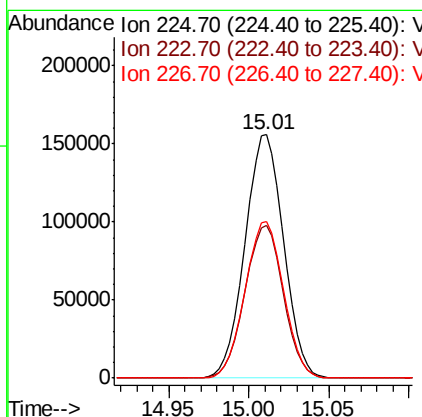
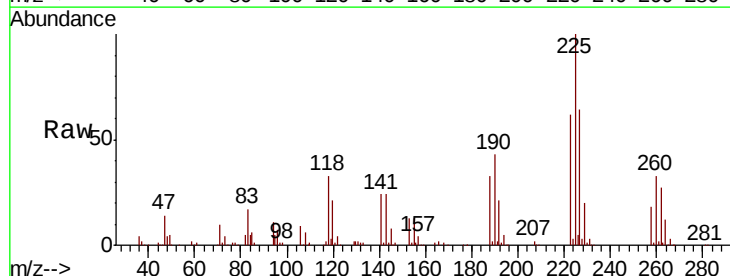
Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:18:52 AM



#94
 Hexachlorobutadiene
 Concen: 46.00 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050782.D
 Acq: 21 Aug 2018 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	31.3	93.8	
227	64.1	32.0	96.2	





#95

Naphthalene

Concen: 54.98 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Instrument :

MSVOA_N

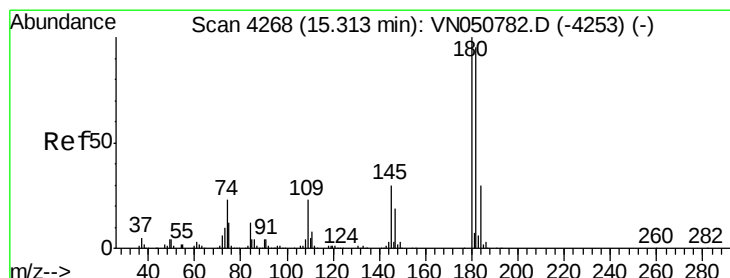
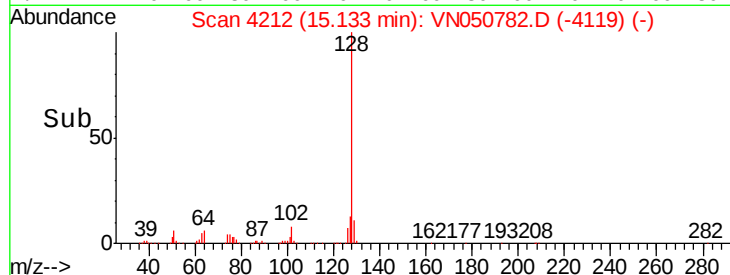
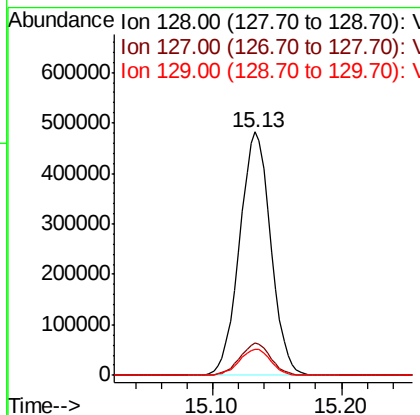
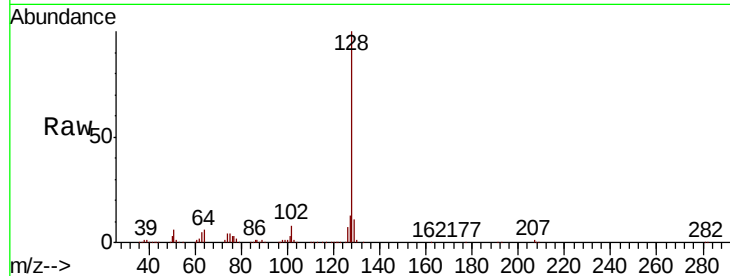
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	809132
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/22/2018 11:18:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.42 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. 0.00 min

Lab File: VN050782.D

Acq: 21 Aug 2018 11:09

Tgt Ion:	180	Resp:	388045
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.0	144.2
145	30.4	15.2	45.6

