

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049905.D
 Acq On : 19 Jul 2018 9:42
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 11:08:01 AM

Quant Time: Jul 20 01:35:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	642850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	907229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	848602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	468187	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	420371	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
35) Dibromofluoromethane	7.59	113	377837	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	10.09	98	1409133	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.40	95	497053	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	294224	50.16	ug/l	99
3) Chloromethane	2.06	50	364461	41.54	ug/l	100
4) Vinyl Chloride	2.18	62	409838	43.79	ug/l	99
5) Bromomethane	2.56	94	261633	50.00	ug/l	99
6) Chloroethane	2.70	64	265689	43.47	ug/l	99
7) Trichlorofluoromethane	3.01	101	572393	44.49	ug/l	97
8) Diethyl Ether	3.41	74	199581	44.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	363375	45.81	ug/l	99
10) Methyl Iodide	3.95	142	504746	47.43	ug/l	98
11) Tert butyl alcohol	4.80	59	123920	196.87	ug/l	99
12) 1,1-Dichloroethene	3.73	96	315400	45.26	ug/l	98
13) Acrolein	3.61	56	79167	195.18	ug/l	95
14) Allyl chloride	4.32	41	516901	47.05	ug/l	99
15) Acrylonitrile	4.99	53	602895	217.78	ug/l	98
16) Acetone	3.82	43	619707	270.90	ug/l	99
17) Carbon Disulfide	4.05	76	900255	43.17	ug/l	100
18) Methyl Acetate	4.33	43	327894	45.54	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	922472	48.10	ug/l	99
20) Methylene Chloride	4.55	84	372914	42.87	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	347720	46.99	ug/l	98
22) Diisopropyl ether	5.95	45	1107122	49.38	ug/l	97
23) Vinyl Acetate	5.90	43	3805608	241.92	ug/l	100
24) 1,1-Dichloroethane	5.85	63	650780	45.22	ug/l	100
25) 2-Butanone	6.84	43	828778	253.49	ug/l	98
26) 2,2-Dichloropropane	6.82	77	570258	50.92	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	397291	48.92	ug/l	100
28) Bromochloromethane	7.19	49	310147	47.71	ug/l	99
29) Tetrahydrofuran	7.21	42	461458	224.05	ug/l	99
30) Chloroform	7.37	83	685754	46.41	ug/l	98
31) Cyclohexane	7.65	56	563221	48.08	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	581677	45.55	ug/l	99
36) 1,1-Dichloropropene	7.79	75	509970	50.56	ug/l	100
37) Ethyl Acetate	6.93	43	313860	45.31	ug/l	99
38) Carbon Tetrachloride	7.77	117	521439	48.26	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	557562	53.50	ug/l	99
40) Benzene	8.04	78	1524293	49.58	ug/l	100
41) Methacrylonitrile	7.17	41	171685	49.44	ug/l	99
42) 1,2-Dichloroethane	8.12	62	494904	48.60	ug/l	99
43) Isopropyl Acetate	8.16	43	578913	47.84	ug/l	98
44) Trichloroethene	8.83	130	401216	49.77	ug/l	100
45) 1,2-Dichloropropane	9.12	63	401969	48.47	ug/l	100
46) Dibromomethane	9.21	93	245868	47.80	ug/l	98
47) Bromodichloromethane	9.40	83	525109	49.36	ug/l	99
48) Methyl methacrylate	9.20	41	289449	47.68	ug/l	99
49) 1,4-Dioxane	9.20	88	78184	907.90	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1629751	240.91	ug/l	99
52) Toluene	10.16	92	959748	52.33	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	543201	51.64	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	612717	52.71	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	355126	46.87	ug/l	99
56) Ethyl methacrylate	10.43	69	454898	44.94	ug/l	98
57) 1,3-Dichloropropane	10.71	76	588980	49.36	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1104230	231.59	ug/l	100
59) 2-Hexanone	10.75	43	1278116	281.28	ug/l	100
60) Dibromochloromethane	10.90	129	410474	49.41	ug/l	99
61) 1,2-Dibromoethane	11.00	107	343311	48.50	ug/l	99
64) Tetrachloroethene	10.63	164	372287	48.82	ug/l	100
65) Chlorobenzene	11.43	112	1054719	49.47	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	399574	48.38	ug/l	100
67) Ethyl Benzene	11.51	91	1832363	52.98	ug/l	100
68) m/p-Xylenes	11.62	106	1418182	108.32	ug/l	99
69) o-Xylene	11.95	106	663609	52.77	ug/l	100
70) Styrene	11.96	104	1132428	55.59	ug/l	100
71) Bromoform	12.13	173	286084	48.42	ug/l #	99
73) Isopropylbenzene	12.25	105	1827394	51.39	ug/l	99
74) N-amyl acetate	12.07	43	507650	46.90	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	450581	42.29	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	362439m	41.27	ug/l	
77) Bromobenzene	12.53	156	469001	47.76	ug/l	100
78) n-propylbenzene	12.59	91	2141385	52.96	ug/l	99
79) 2-Chlorotoluene	12.67	91	1257843	50.67	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1514584	53.13	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	130591	46.50	ug/l	97
82) 4-Chlorotoluene	12.77	91	1284601	51.58	ug/l	99
83) tert-Butylbenzene	12.99	119	1291219	51.58	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1559188	54.00	ug/l	100
85) sec-Butylbenzene	13.17	105	1793027	54.20	ug/l	100
86) p-Isopropyltoluene	13.29	119	1554657	55.13	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	843846	49.32	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	825718	48.13	ug/l	100
89) n-Butylbenzene	13.62	91	1317018	56.56	ug/l	100
90) Hexachloroethane	13.87	117	288568	45.59	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	814053	48.39	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68520	41.62	ug/l	98

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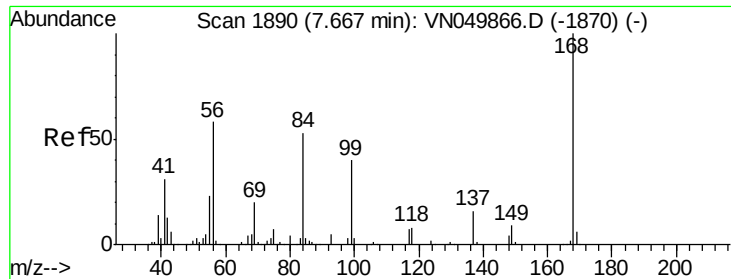
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	434118	47.02	ug/l	99
94) Hexachlorobutadiene	15.01	225	269224	48.83	ug/l	99
95) Naphthalene	15.13	128	891499	41.08	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	420701	52.12	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 642850

Ion Ratio Lower Upper

168 100

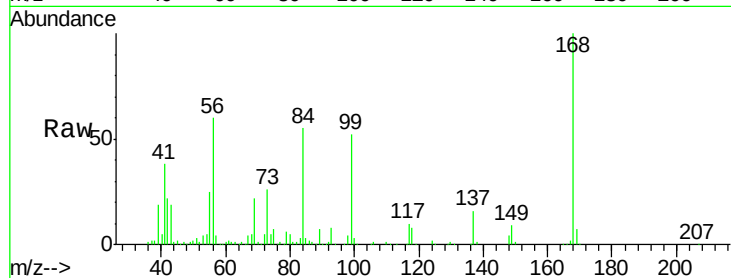
99 51.4 40.6 61.0

Manual Integrations

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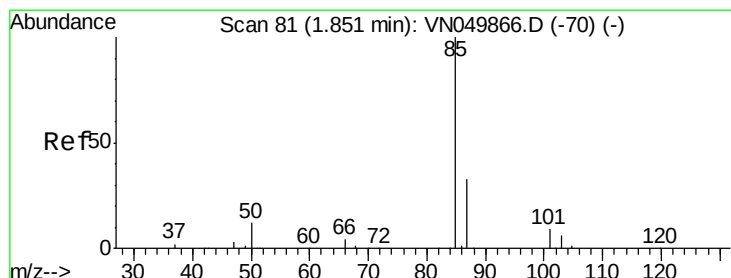
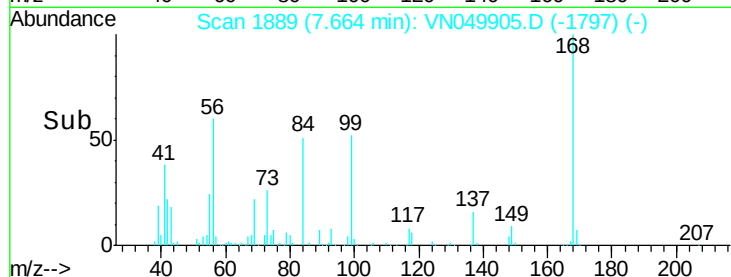
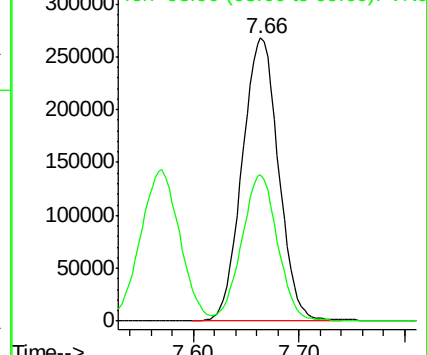
MMDadoda

7/20/2018 11:08:01 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 50.16 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049905.D

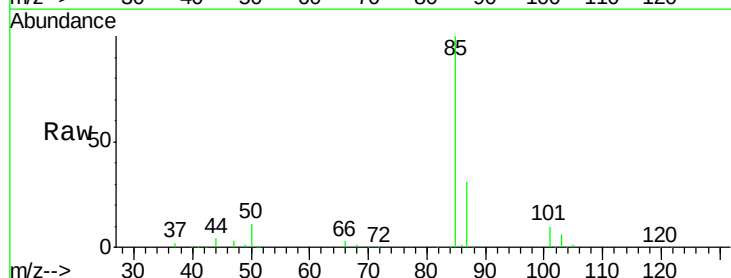
Acq: 19 Jul 2018 9:42

Tgt Ion: 85 Resp: 294224

Ion Ratio Lower Upper

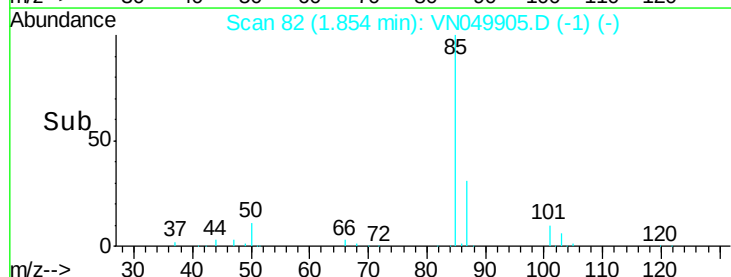
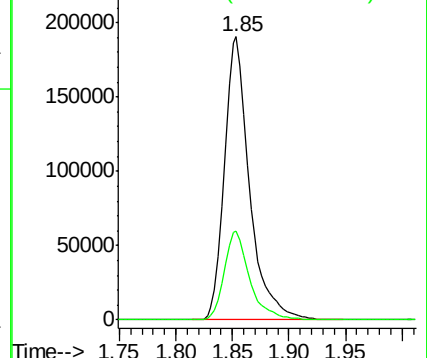
85 100

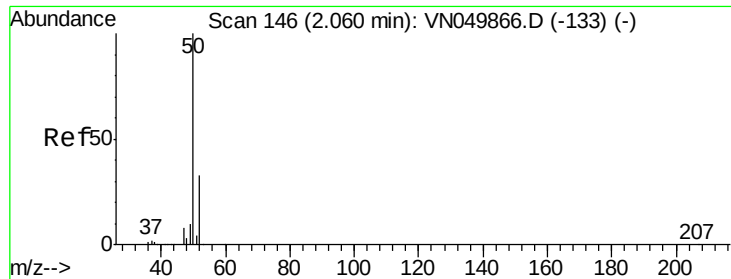
87 31.3 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 41.54 ug/l

RT: 2.06 min Scan# 146

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 364461

Ion Ratio Lower Upper

50 100

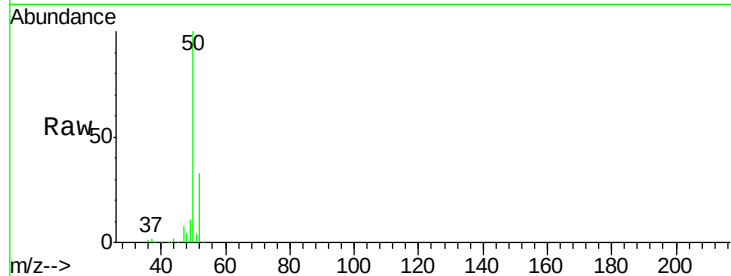
52 32.5 26.1 39.1

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

300000

250000

200000

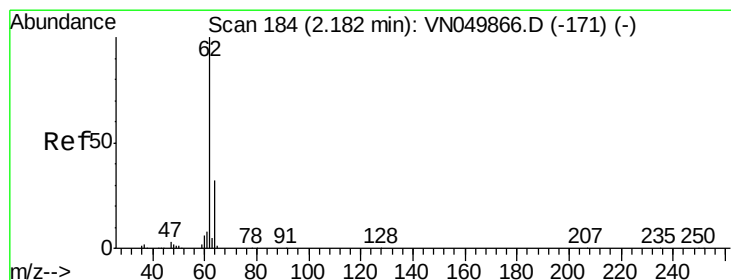
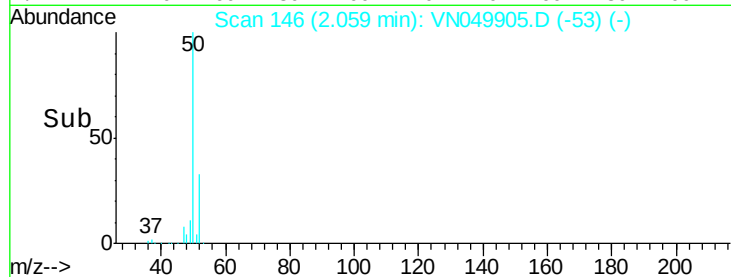
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 43.79 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049905.D

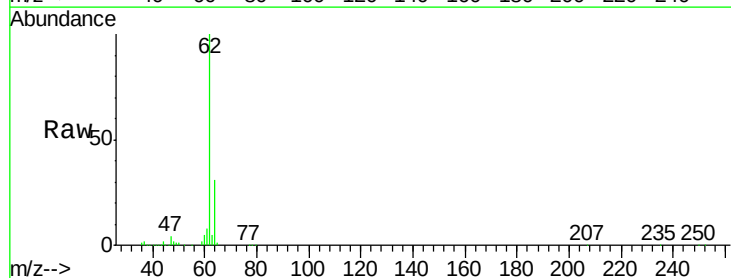
Acq: 19 Jul 2018 9:42

Tgt Ion: 62 Resp: 409838

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

300000

250000

200000

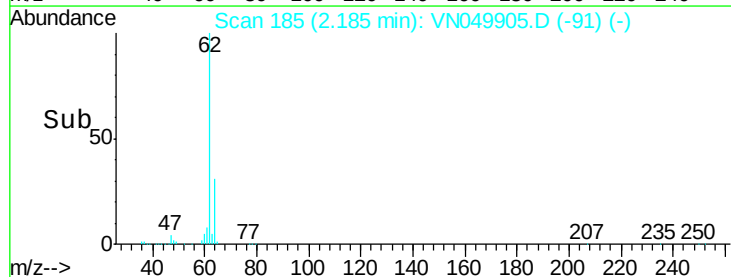
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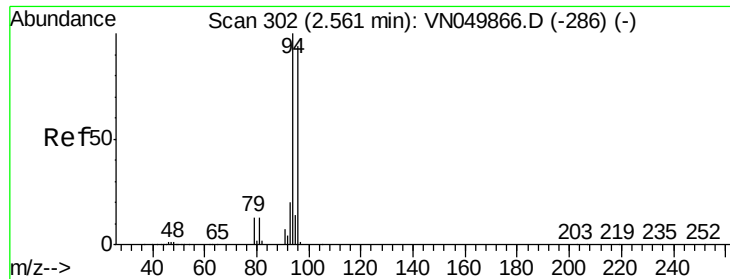
100000

50000

0

Time-->





#5

Bromomethane

Concen: 50.00 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 261633

Ion Ratio Lower Upper

94 100

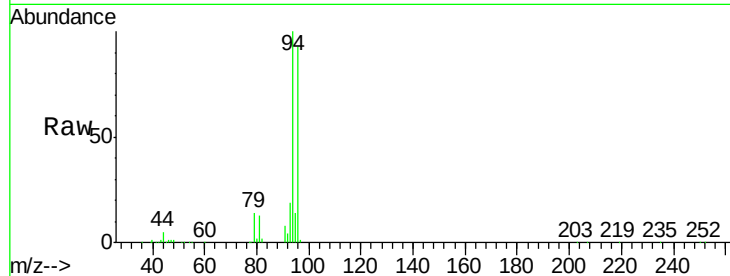
96 93.5 75.7 113.5

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7/20/2018 11:08:01 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

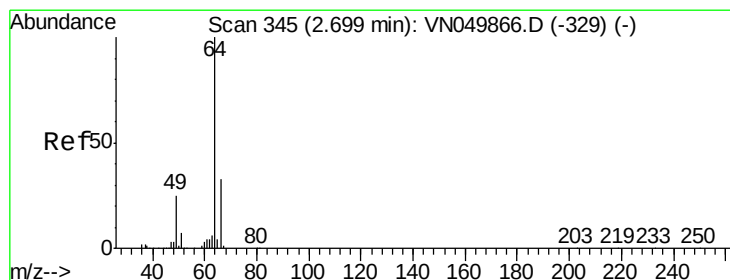
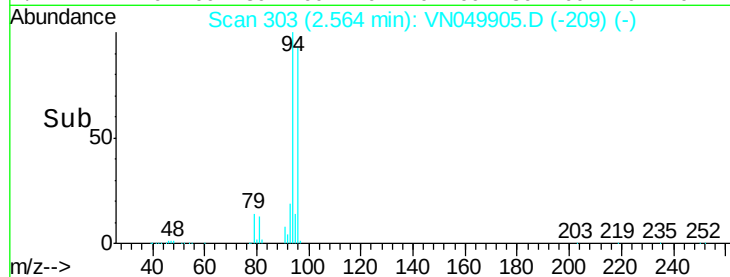
2.56

100000

50000

0

Time-->



#6

Chloroethane

Concen: 43.47 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049905.D

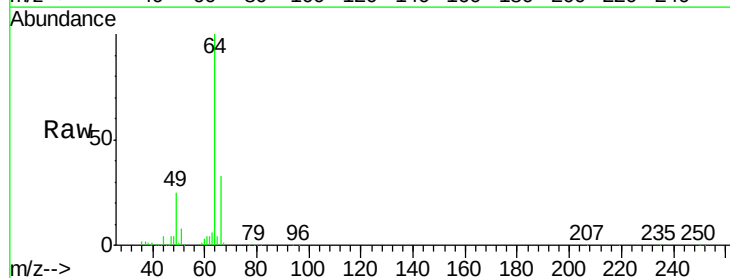
Acq: 19 Jul 2018 9:42

Tgt Ion: 64 Resp: 265689

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

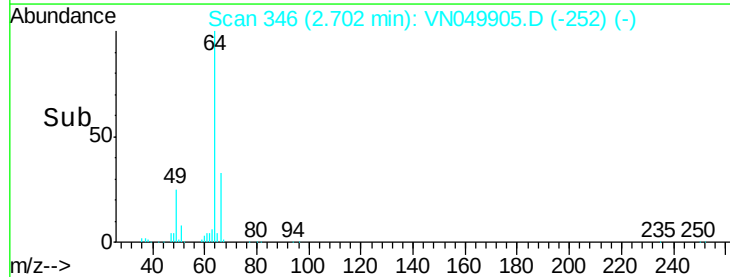
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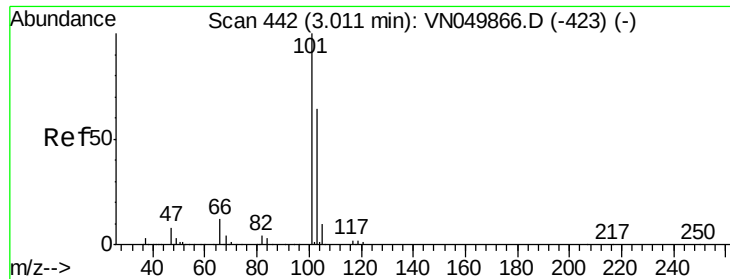
100000

50000

0

Time-->





#7

Trichlorofluoromethane

Concen: 44.49 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Tot Ion: 101 Resp: 572393

Ion Ratio Lower Upper

101 100

103 63.5 52.8 79.2

Instrument :

MSVOA_N

ClientSampleId :

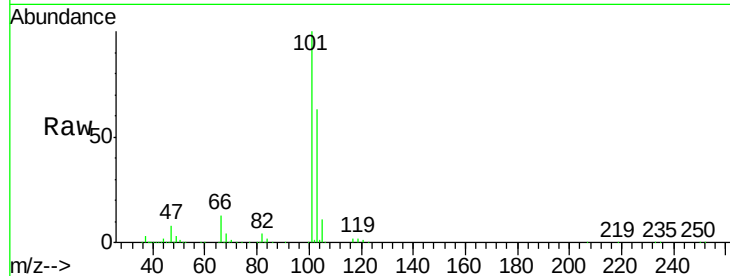
VSTDCCC050

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

250000

200000

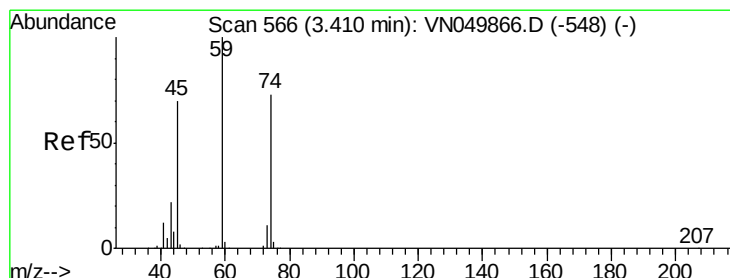
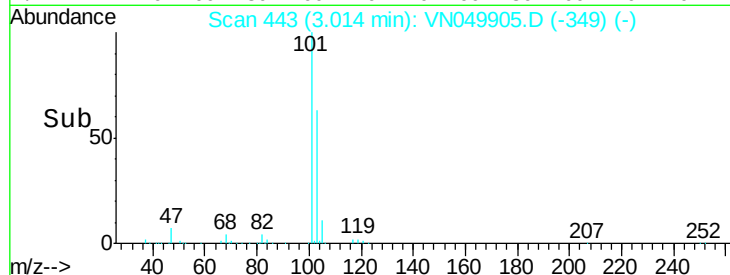
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 44.46 ug/l

RT: 3.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN049905.D

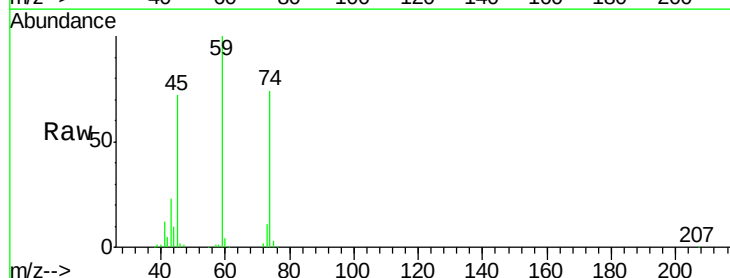
Acq: 19 Jul 2018 9:42

Tgt Ion: 74 Resp: 199581

Ion Ratio Lower Upper

74 100

45 95.9 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

3.41

100000

80000

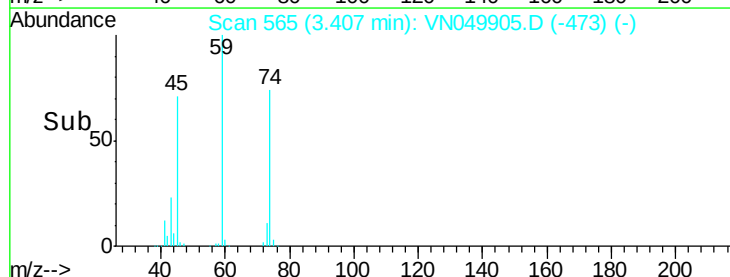
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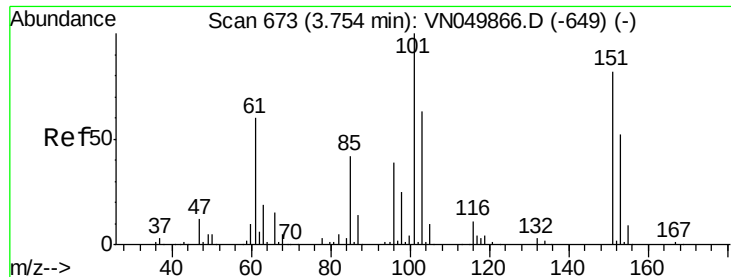
40000

20000

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Time-->





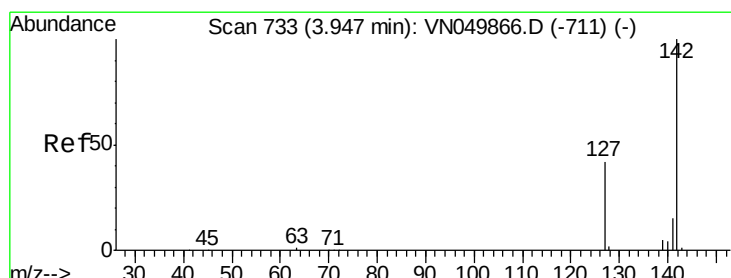
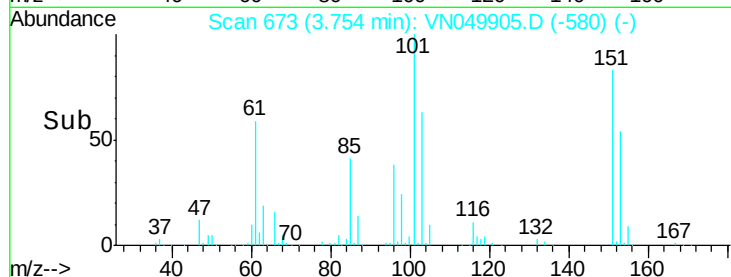
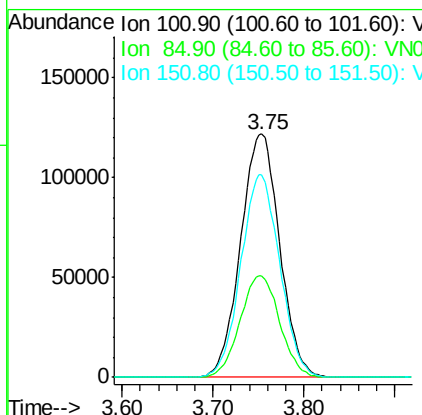
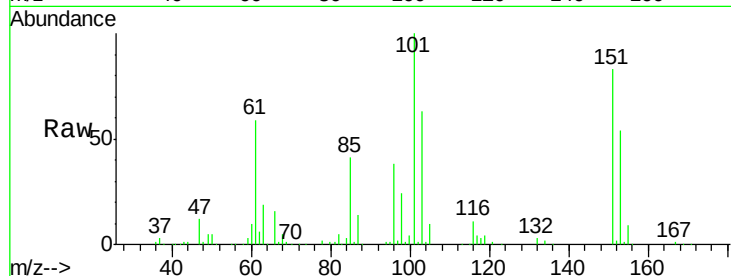
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.81 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: VN049905.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	363375		
85	42.3	34.4	51.6	
151	83.2	66.2	99.4	

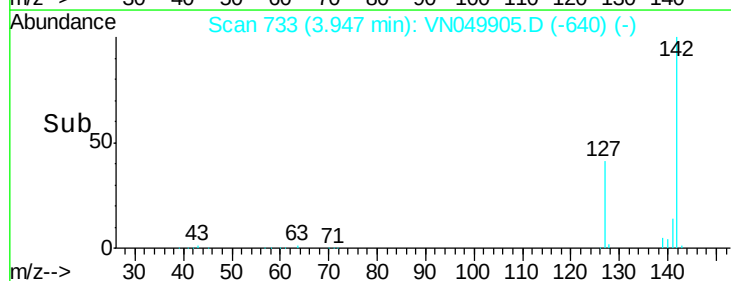
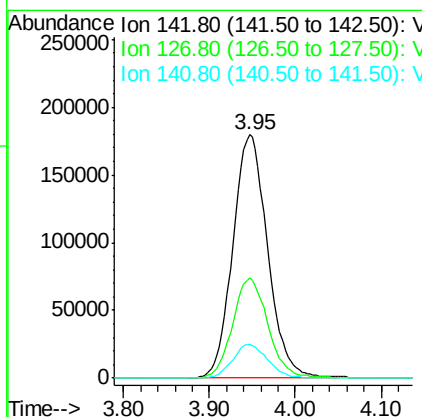
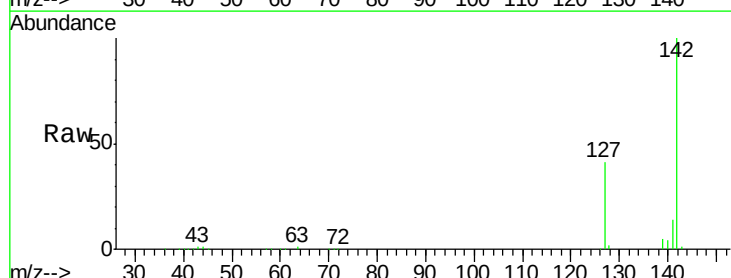
Manual Integrations
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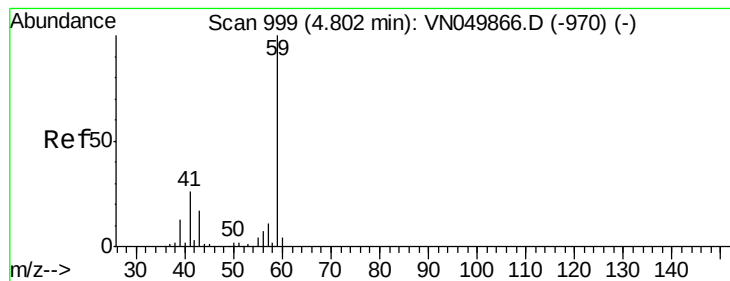
MMDadoda
 7/20/2018 11:08:01 AM



#10
 Methyl Iodide
 Concen: 47.43 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	504746		
127	41.9	32.5	48.7	
141	14.0	11.1	16.7	





#11

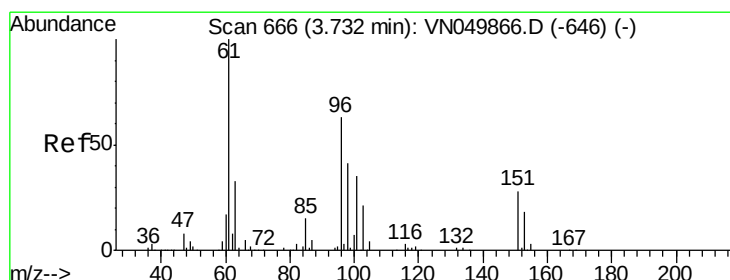
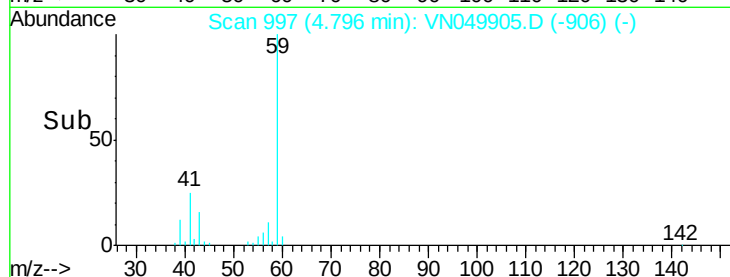
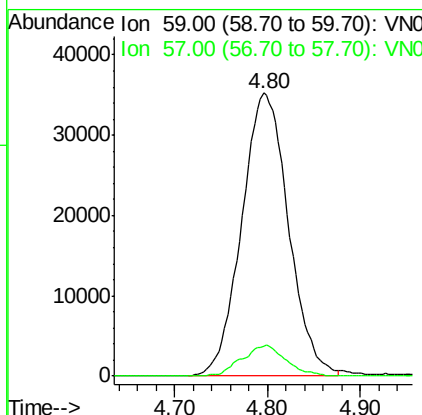
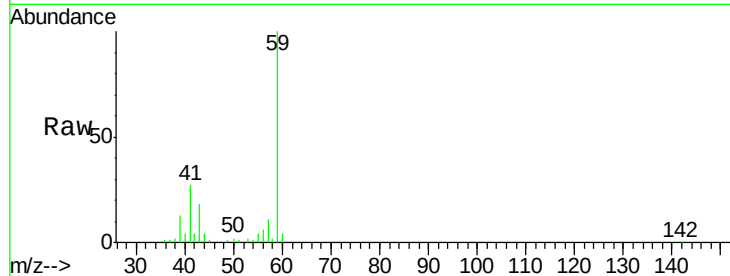
Tert butyl alcohol
Concen: 196.87 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.01 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

Manual Integrations
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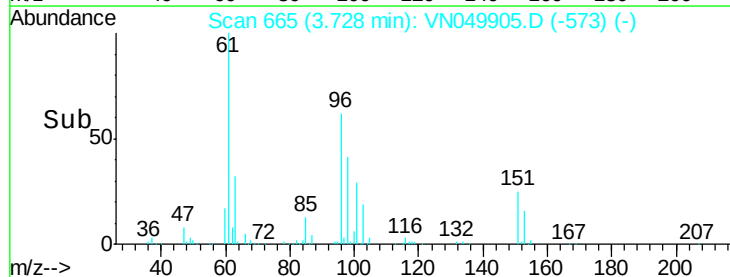
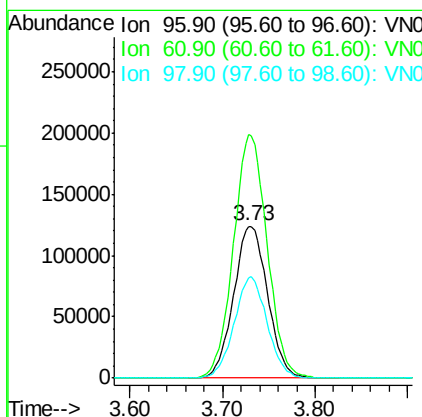
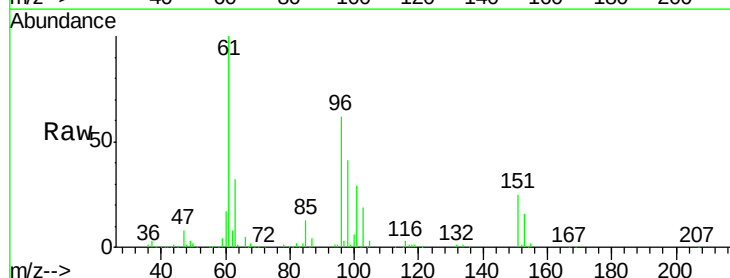
MMDadoda
7/20/2018 11:08:01 AM

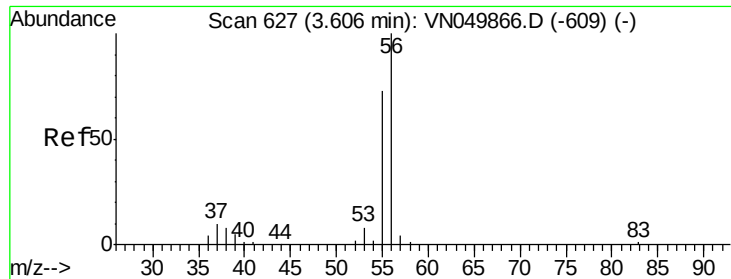


#12

1,1-Dichloroethene
Concen: 45.26 ug/l
RT: 3.73 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.6	126.5	189.7
98	66.3	51.0	76.6





#13

Acrolein

Concen: 195.18 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 79167

Ion Ratio Lower Upper

56 100

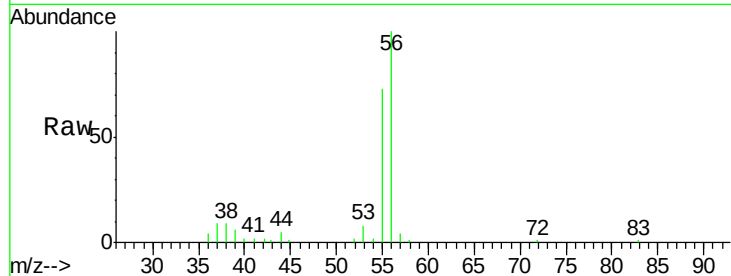
55 73.9 55.8 83.8

Manual Integrations

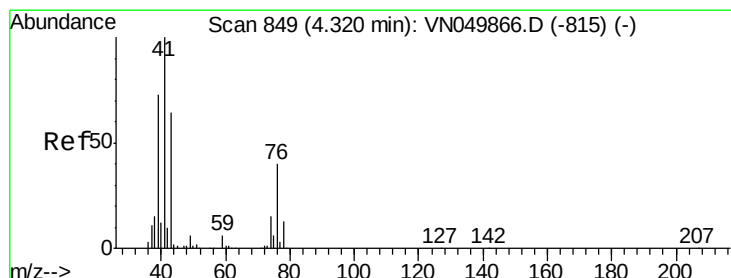
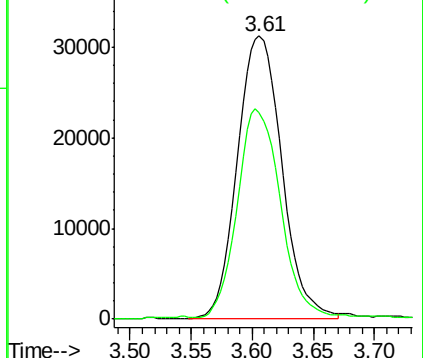
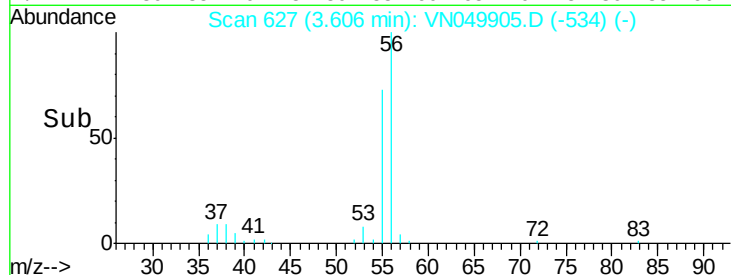
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Abundance Ion 56.00 (55.70 to 56.70): VN049905.D (-534) (-)



#14

Allyl chloride

Concen: 47.05 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

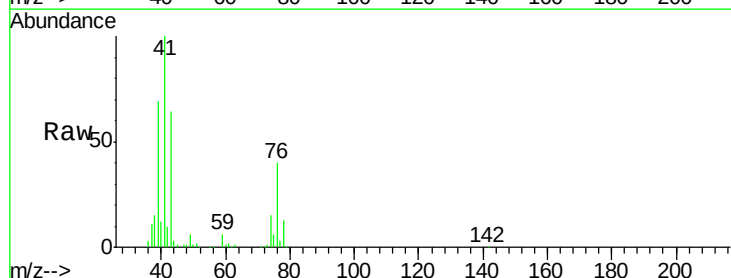
Tgt Ion: 41 Resp: 516901

Ion Ratio Lower Upper

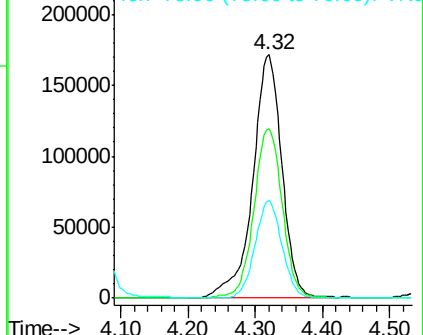
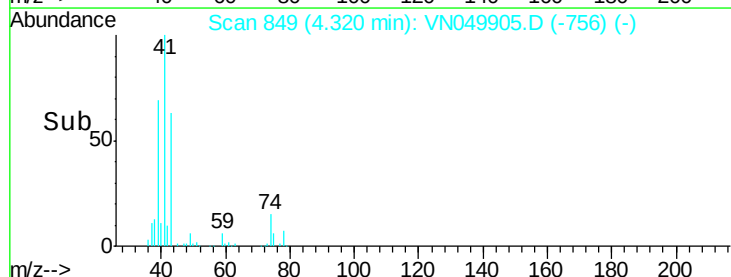
41 100

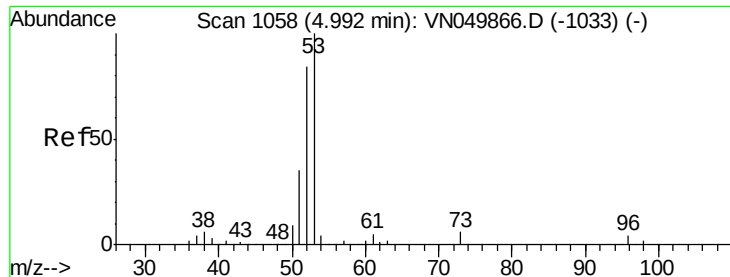
39 67.9 53.2 79.8

76 36.5 29.0 43.6



Abundance Ion 41.00 (40.70 to 41.70): VN049905.D (-756) (-)





#15

Acrylonitrile

Concen: 217.78 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

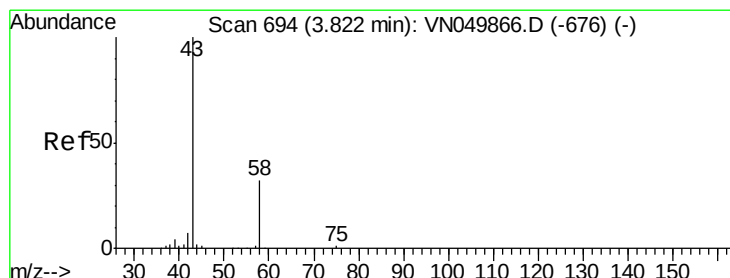
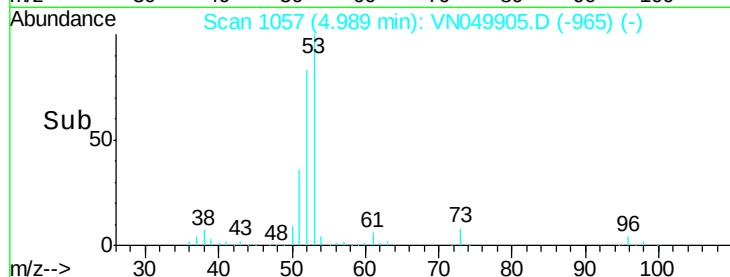
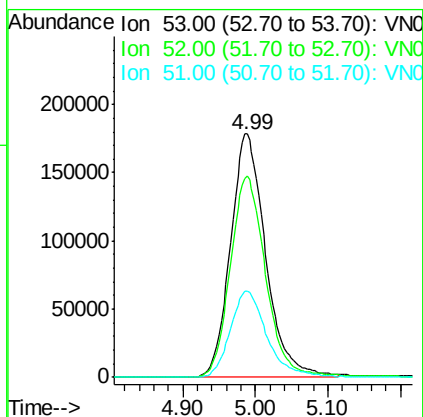
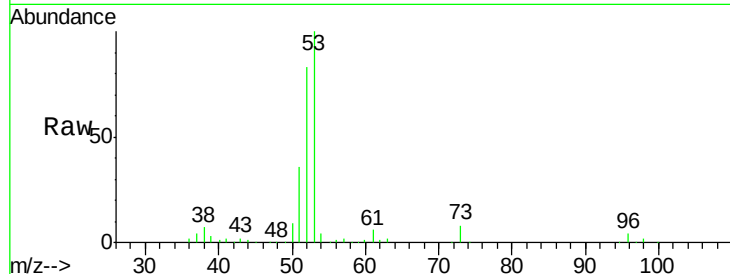
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	602895
Ion Ratio		Lower	Upper
53	100		
52	82.9	64.8	97.2
51	36.9	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 270.90 ug/l

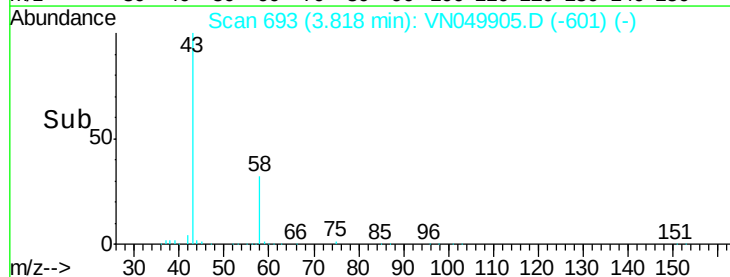
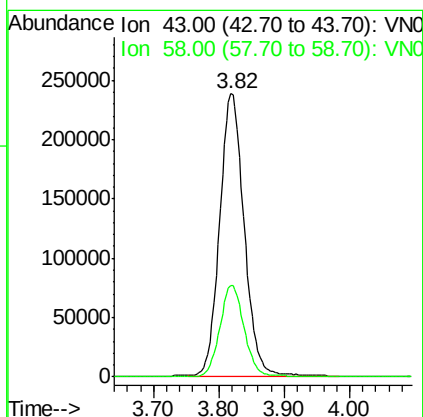
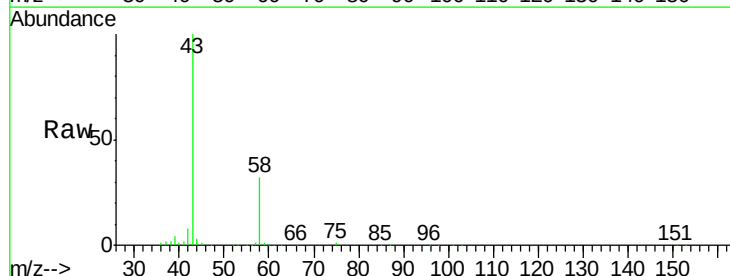
RT: 3.82 min Scan# 693

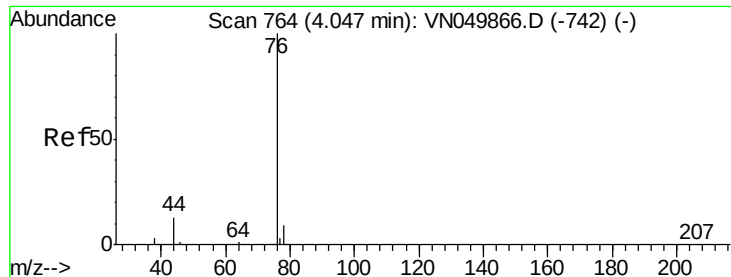
Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Tgt Ion:	43	Resp:	619707
Ion Ratio		Lower	Upper
43	100		
58	32.1	25.9	38.9





#17

Carbon Disulfide

Concen: 43.17 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 900255

Ion Ratio Lower Upper

76 100

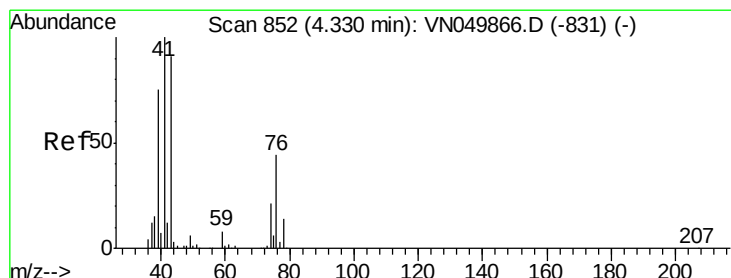
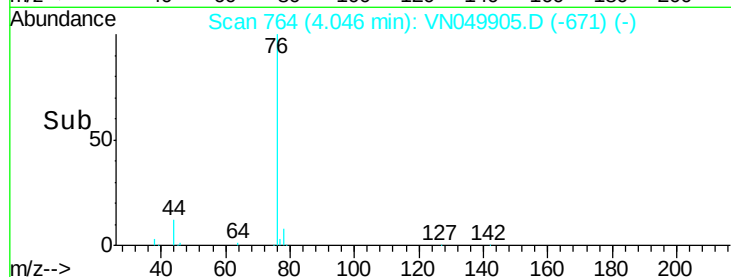
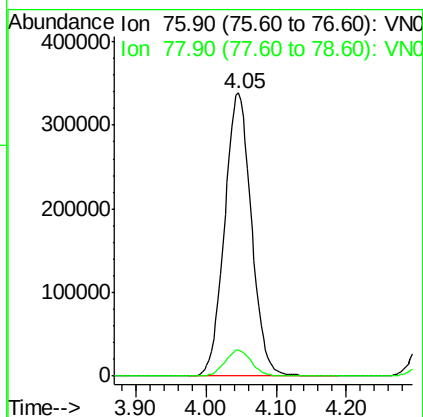
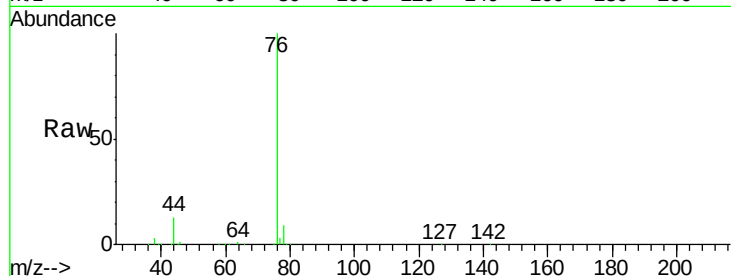
78 9.1 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 45.54 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.00 min

Lab File: VN049905.D

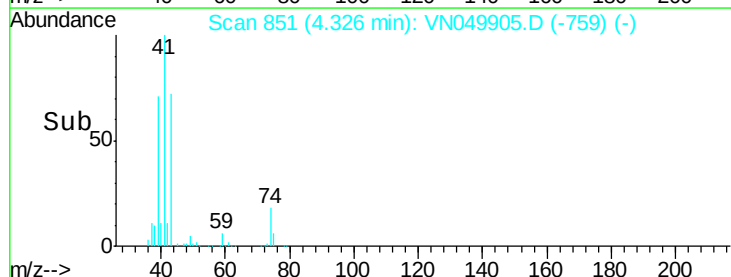
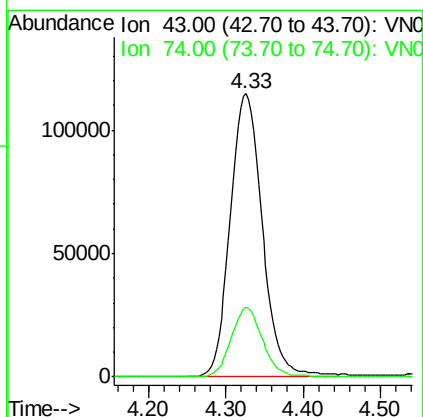
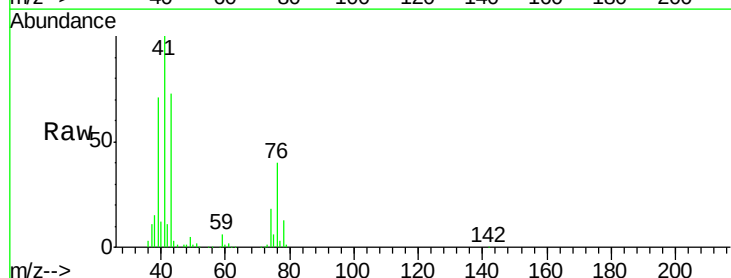
Acq: 19 Jul 2018 9:42

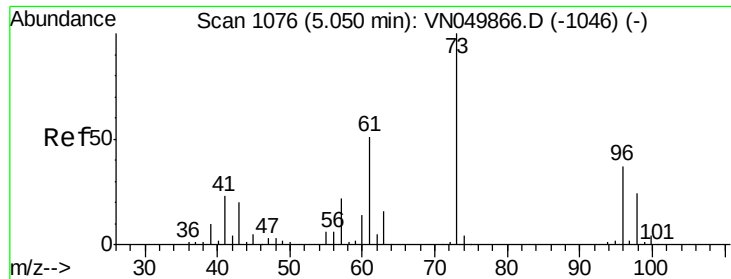
Tgt Ion: 43 Resp: 327894

Ion Ratio Lower Upper

43 100

74 23.9 19.8 29.8





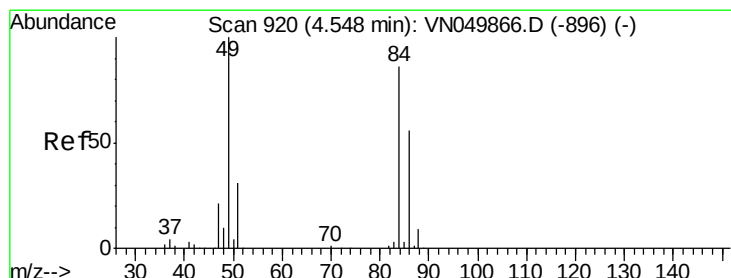
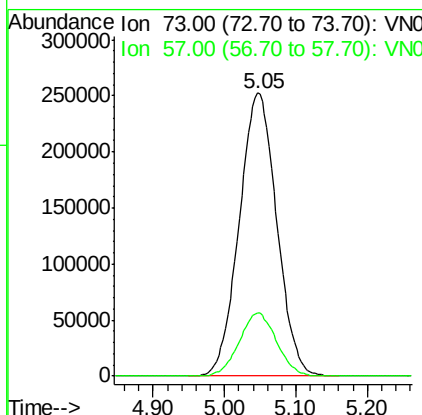
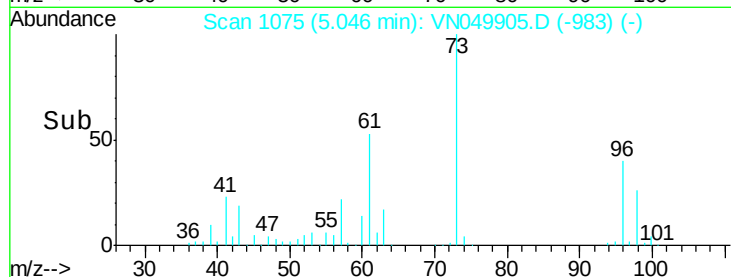
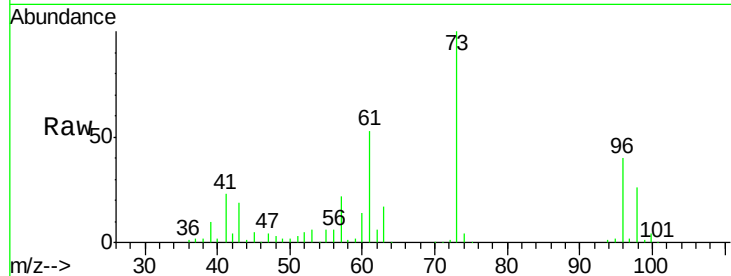
#19
Methyl tert-butyl Ether
Concen: 48.10 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 922472
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1

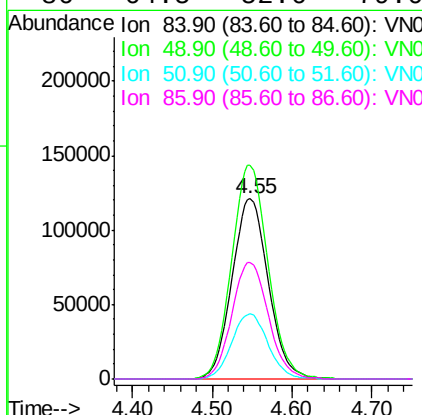
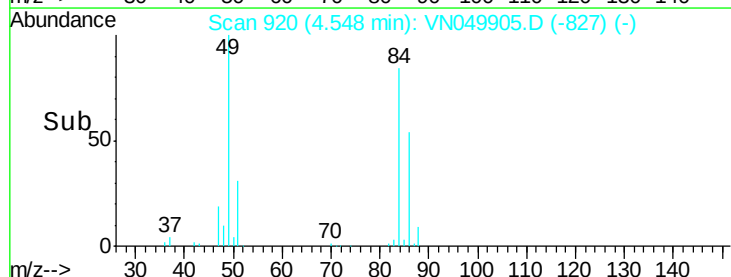
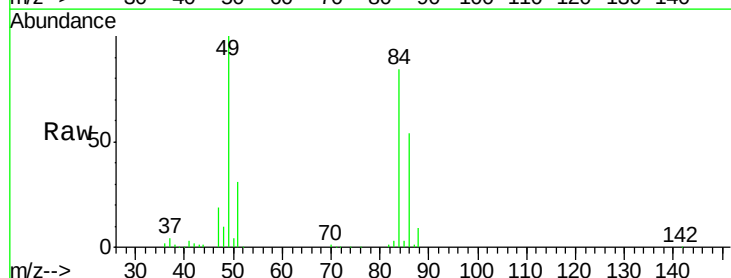
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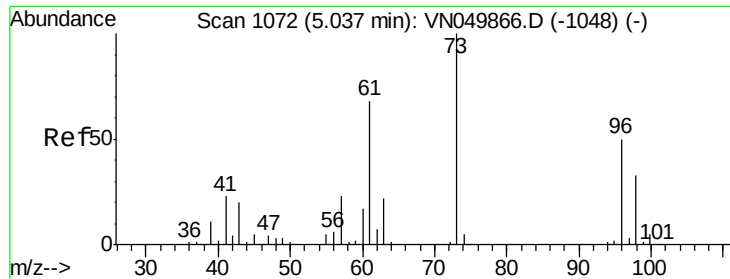
MMDadoda
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#20
Methylene Chloride
Concen: 42.87 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion: 84 Resp: 372914
Ion Ratio Lower Upper
84 100
49 118.4 95.4 143.2
51 36.3 28.4 42.6
86 64.5 52.6 79.0





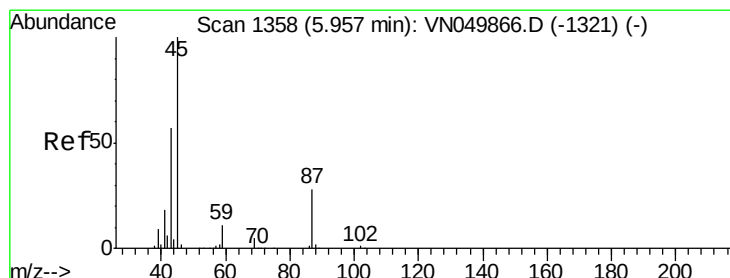
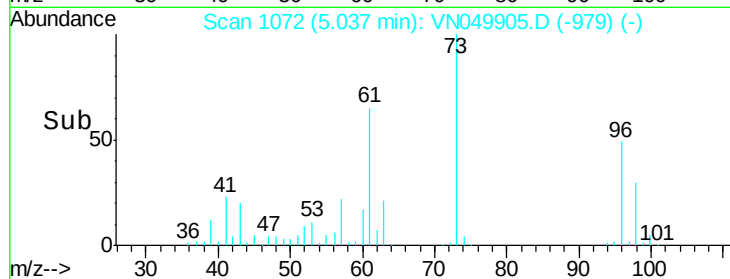
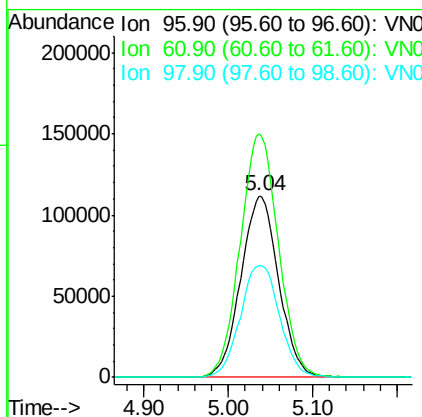
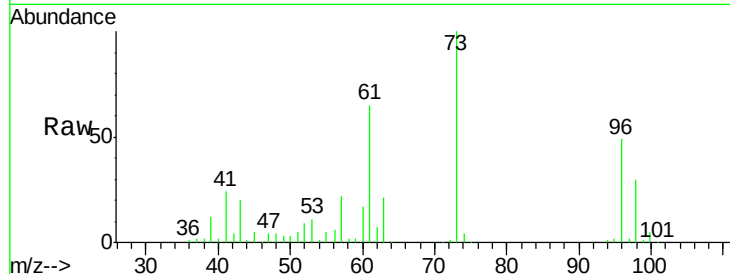
#21
trans-1,2-Dichloroethene
Concen: 46.99 ug/l
RT: 5.04 min Scan# 1072
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.2	109.0	163.6
98	61.7	51.1	76.7

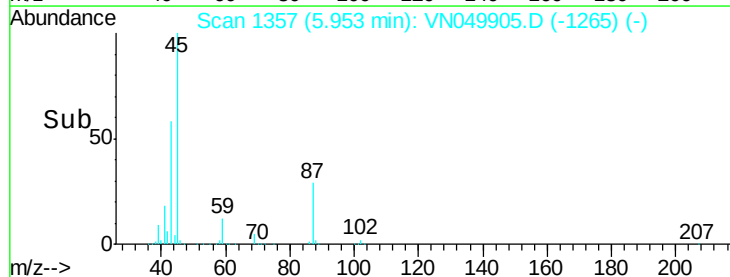
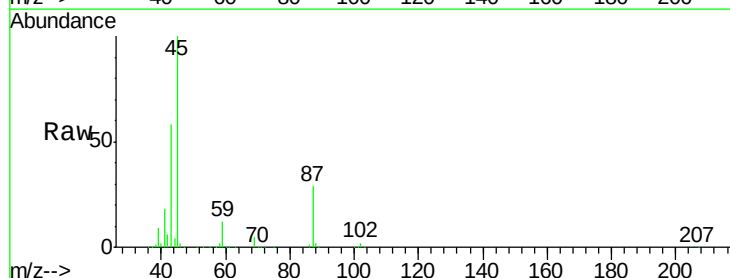
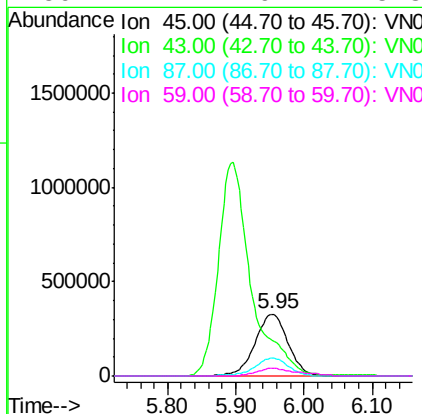
Manual Integrations
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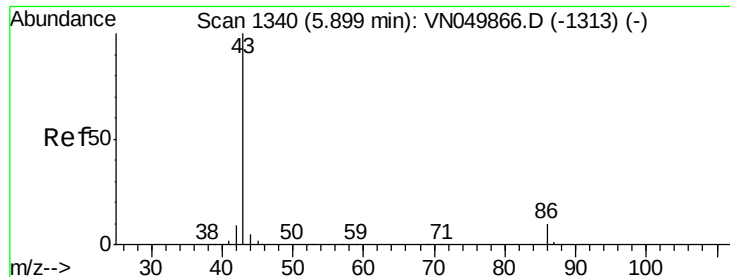
MMDadoda
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#22
Diisopropyl ether
Concen: 49.38 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.1	48.1	72.1
87	28.6	22.6	34.0
59	11.7	9.2	13.8





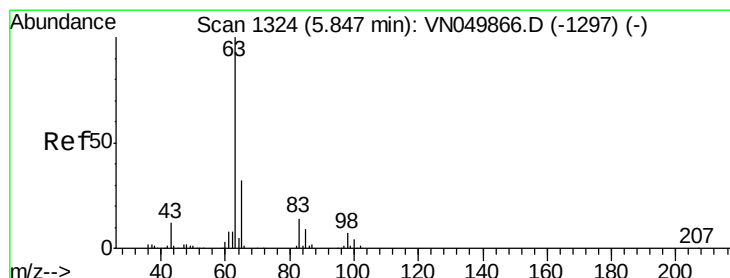
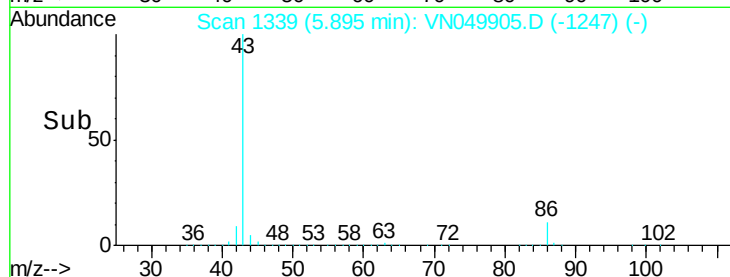
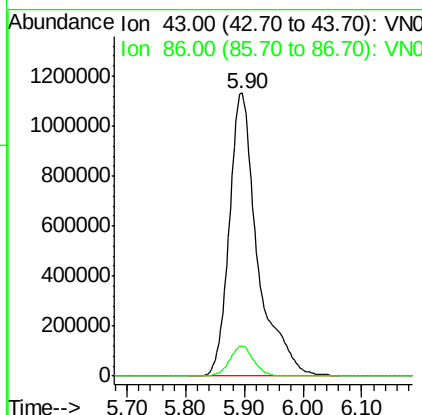
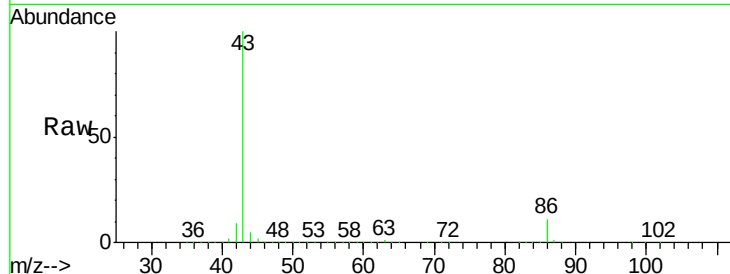
#23
 Vinyl Acetate
 Concen: 241.92 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3805608
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6

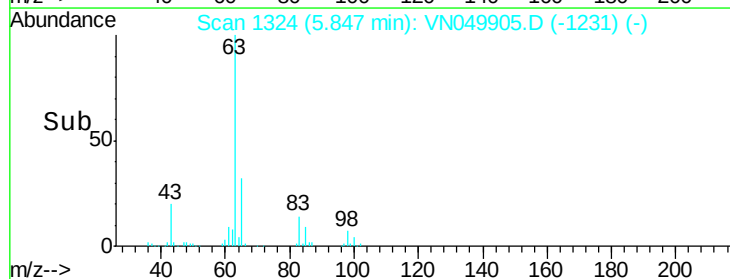
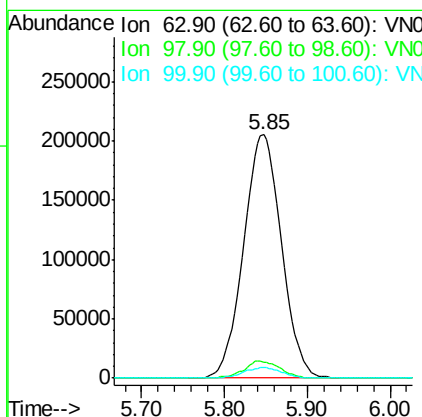
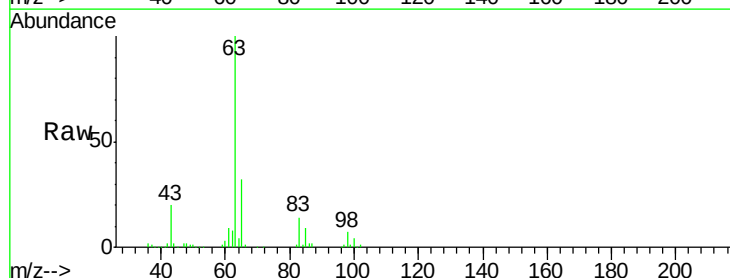
Manual Integrations
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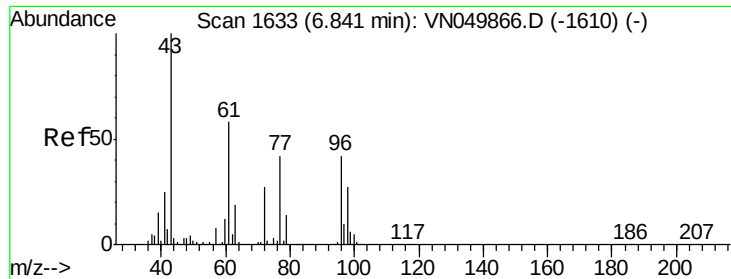
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 45.22 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion: 63 Resp: 650780
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.2
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 253.49 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 828778

Ion Ratio Lower Upper

43 100

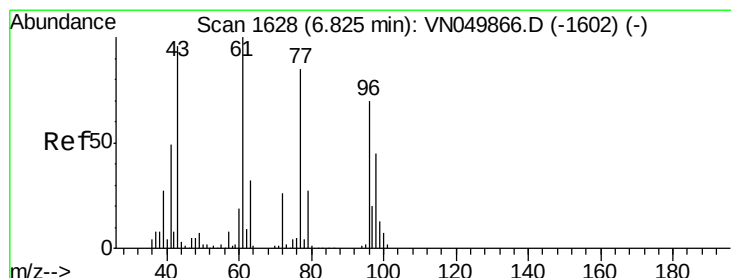
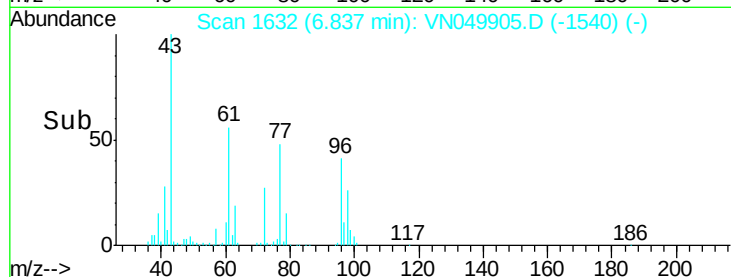
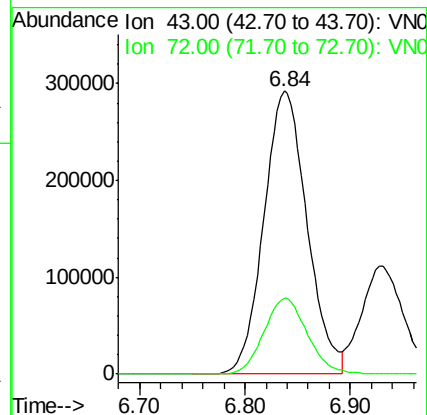
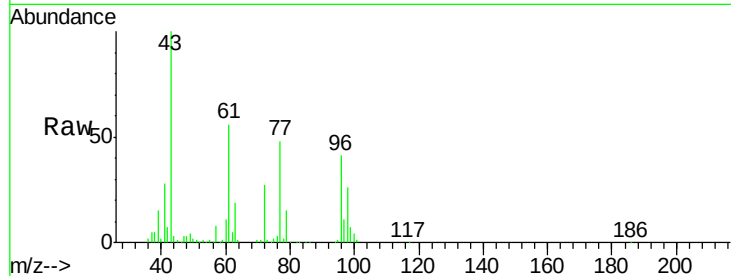
72 26.8 22.1 33.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.92 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VN049905.D

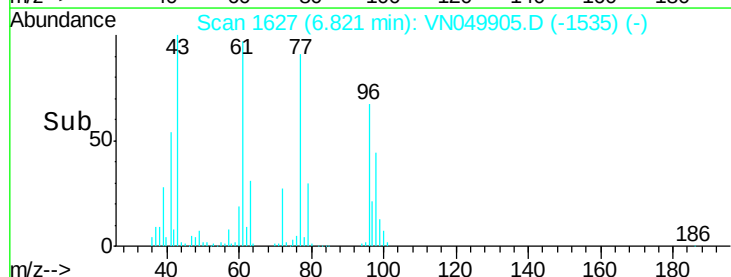
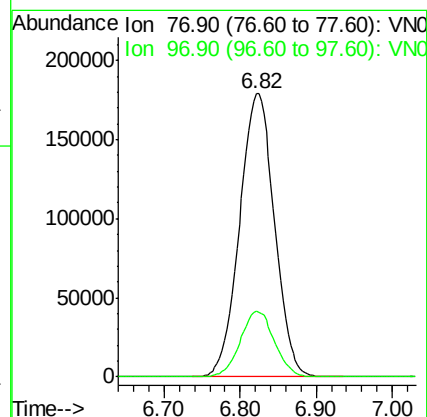
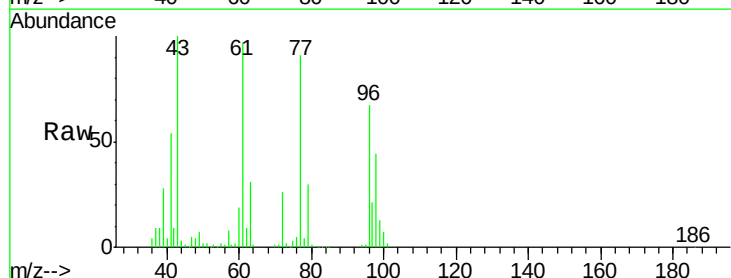
Acq: 19 Jul 2018 9:42

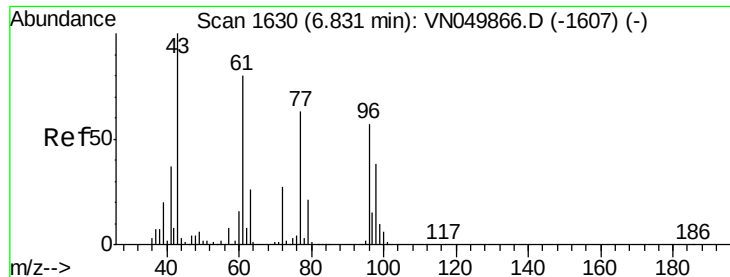
Tgt Ion: 77 Resp: 570258

Ion Ratio Lower Upper

77 100

97 22.7 11.9 35.5





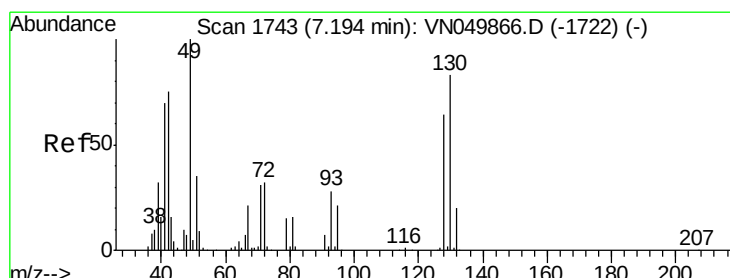
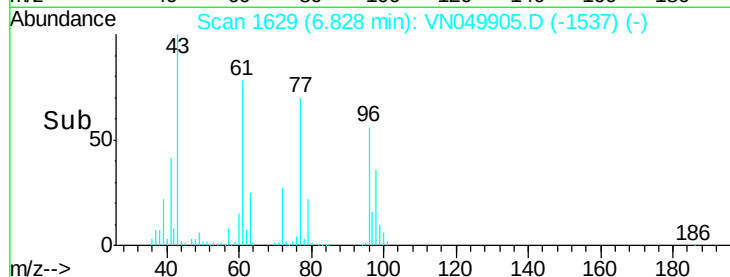
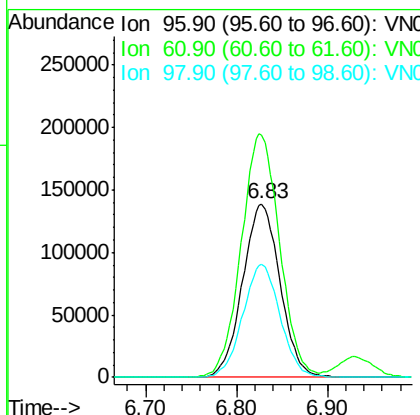
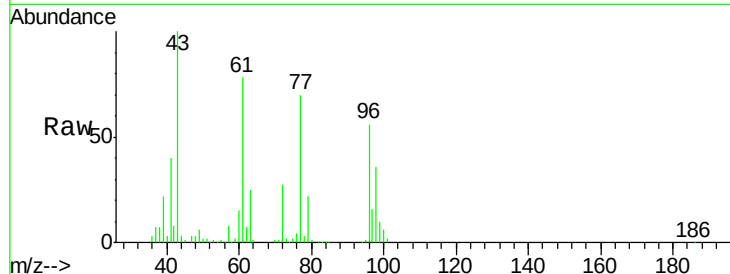
#27
 cis-1,2-Dichloroethene
 Concen: 48.92 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	397291		
61	143.8	0.0	289.0	
98	64.9	0.0	130.2	

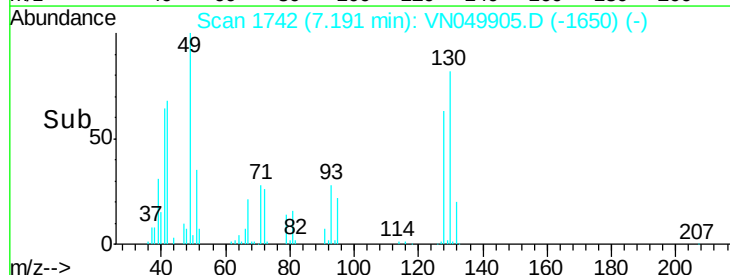
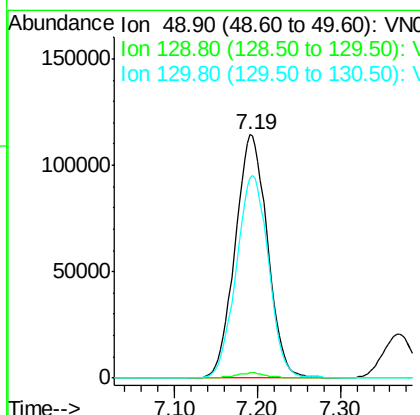
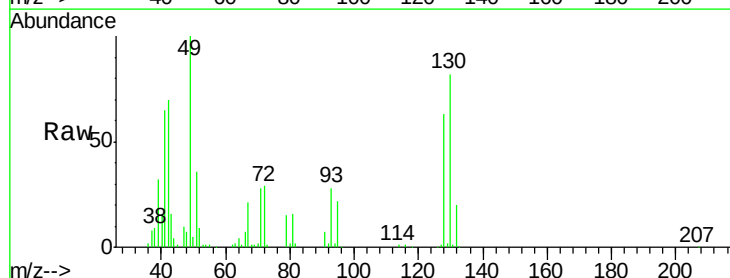
Manual Integrations
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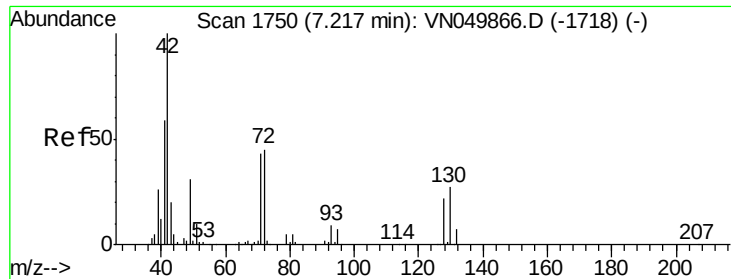
MMDadoda
 7/20/2018 11:08:01 AM



#28
 Bromochloromethane
 Concen: 47.71 ug/l
 RT: 7.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	310147		
129	2.1	0.0	4.2	
130	82.9	65.5	98.3	





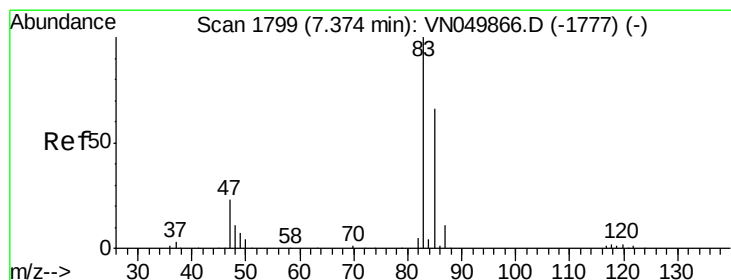
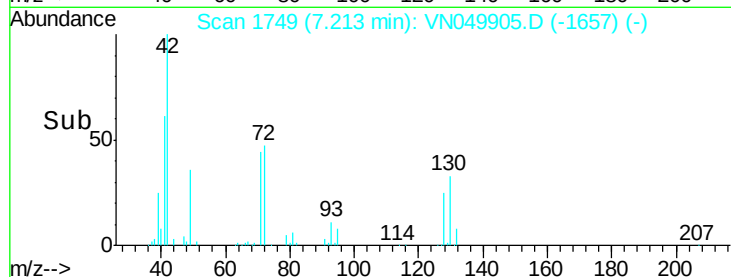
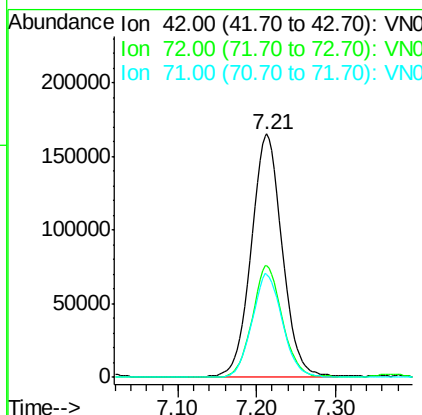
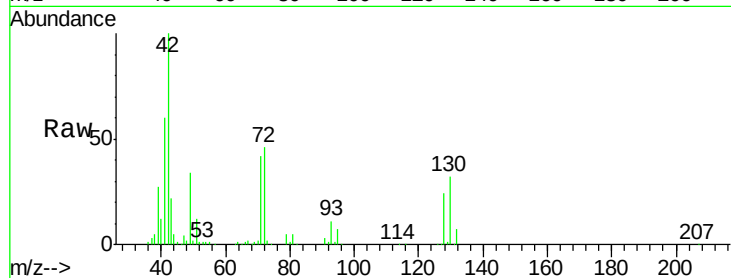
#29
Tetrahydrofuran
Concen: 224.05 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.6	53.4
71	41.9	34.0	51.0

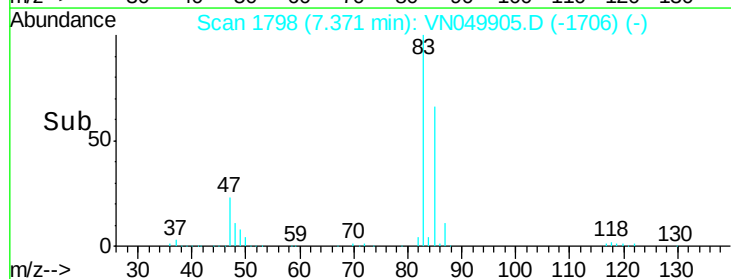
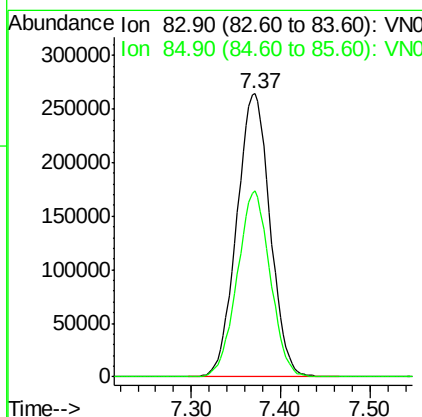
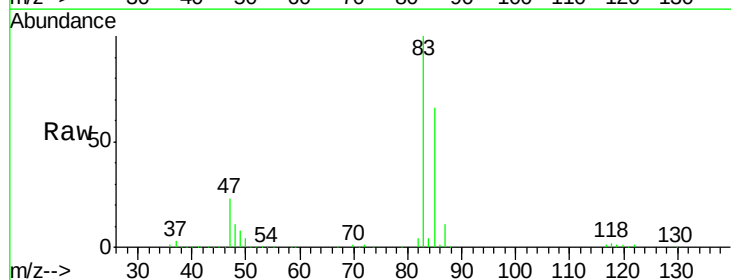
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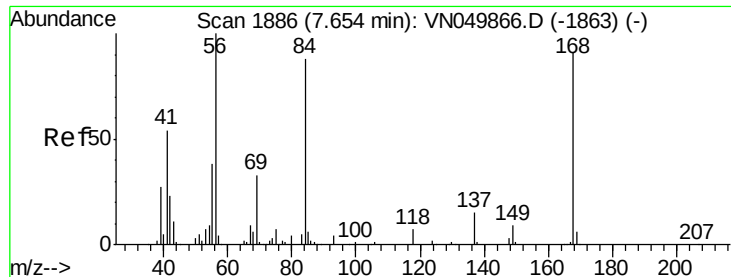
MMDadoda
7/20/2018 11:08:01 AM



#30
Chloroform
Concen: 46.41 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.4	77.2





#31

Cyclohexane

Concen: 48.08 ug/l

RT: 7.65 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

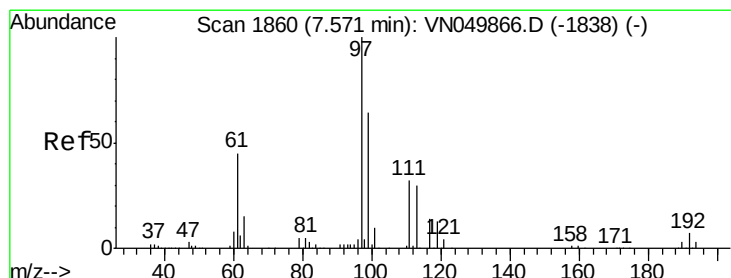
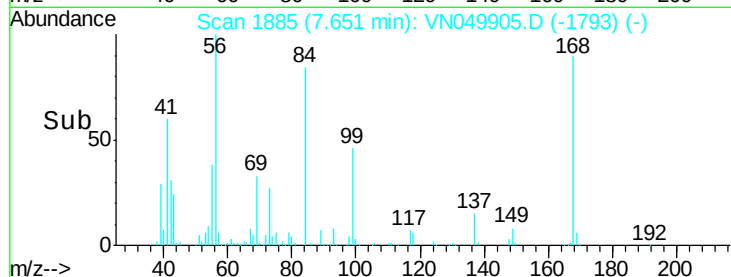
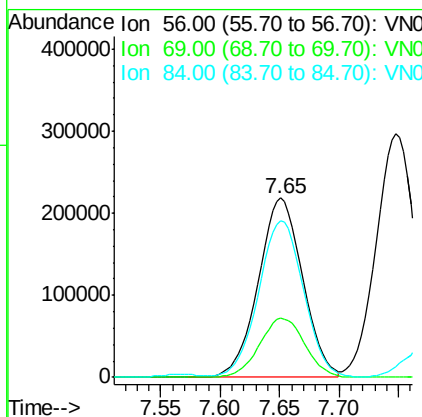
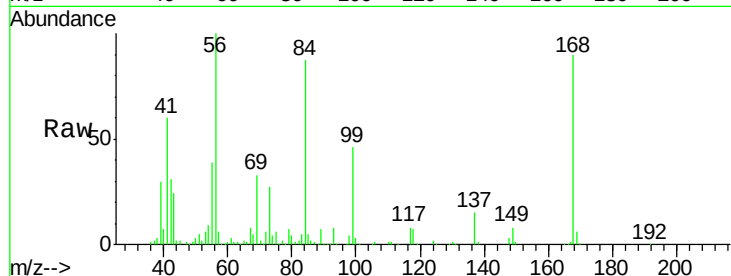
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	563221
Ion Ratio	Lower	Upper	
56	100		
69	33.0	26.6	40.0
84	85.7	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.55 ug/l

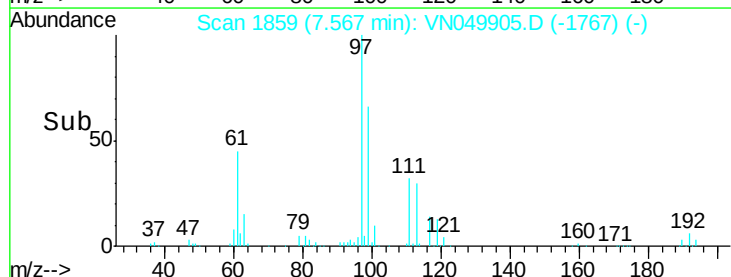
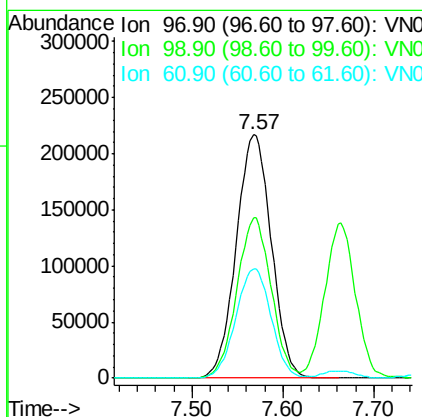
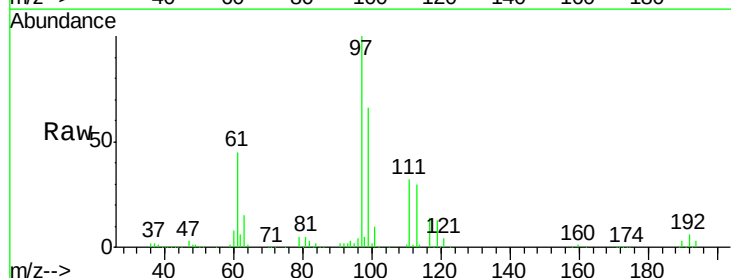
RT: 7.57 min Scan# 1859

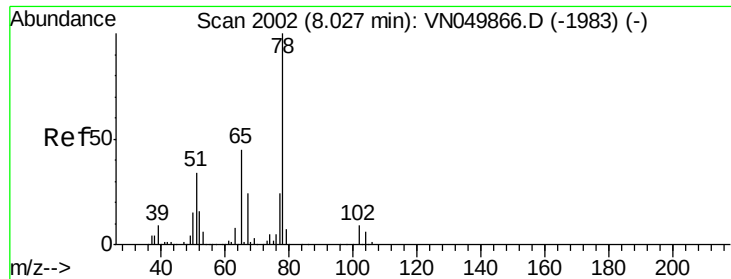
Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Tgt Ion:	97	Resp:	581677
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.0	76.4
61	45.1	35.5	53.3





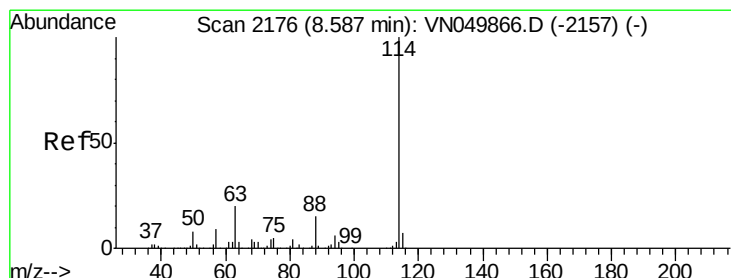
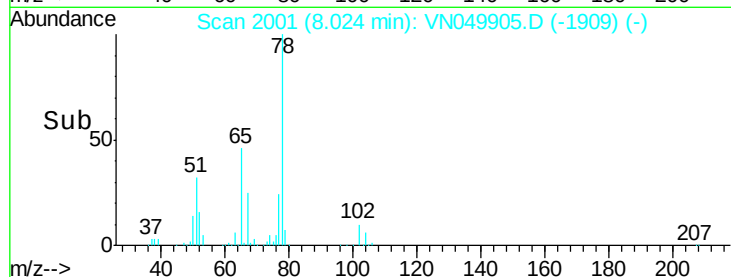
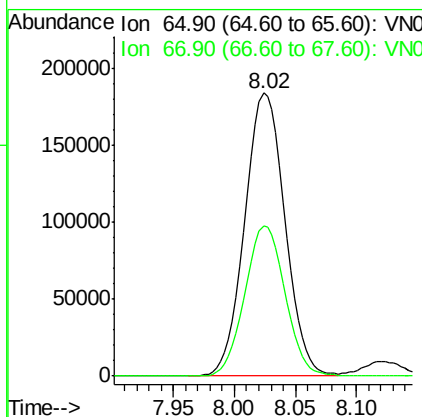
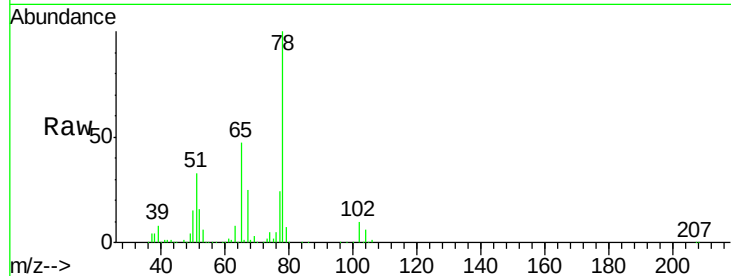
#33
 1,2-Dichloroethane-d4
 Concen: 47.58 ug/l
 RT: 8.02 min Scan# 2001
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 420371
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.2

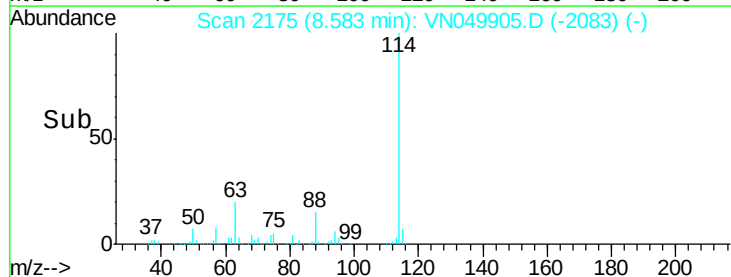
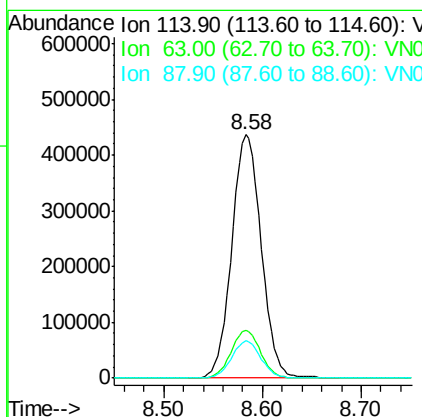
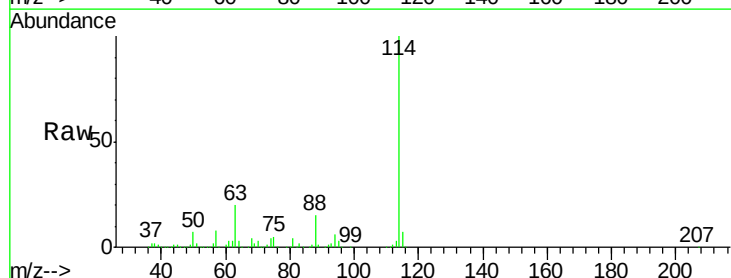
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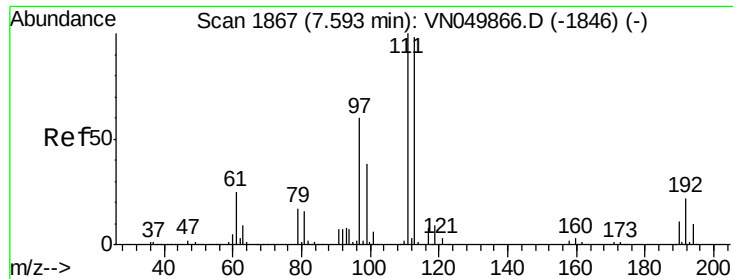
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.58 min Scan# 2175
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion: 114 Resp: 907229
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.2 0.0 30.6





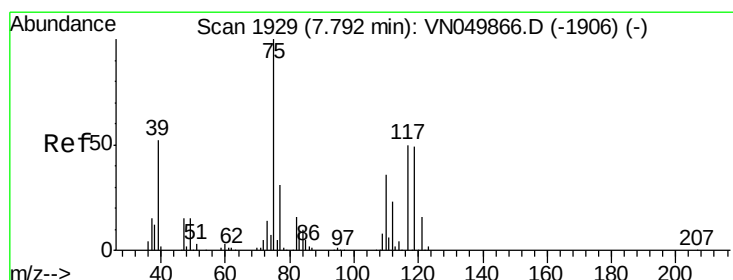
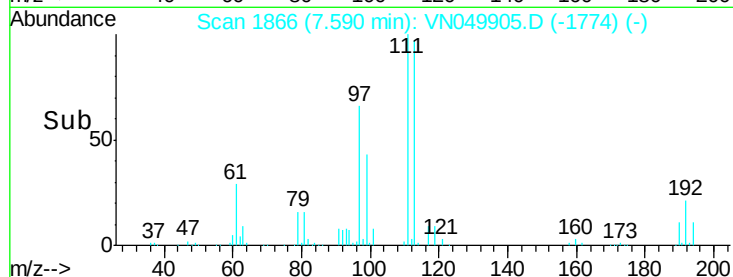
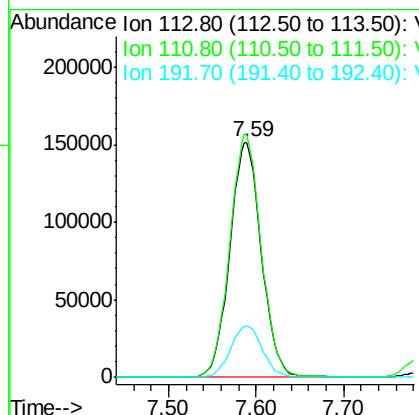
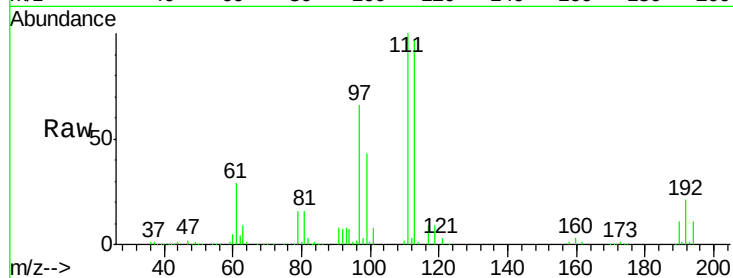
#35
 Dibromofluoromethane
 Concen: 49.61 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	377837		
111	103.3	81.8	122.8	
192	22.2	17.8	26.6	

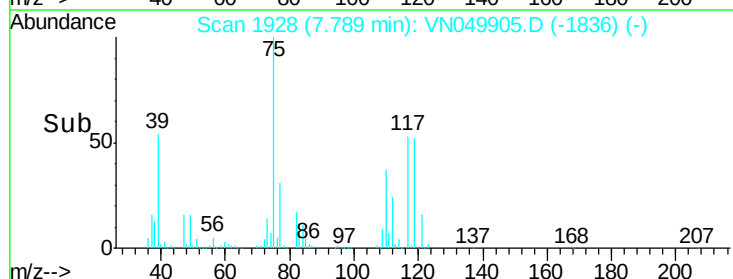
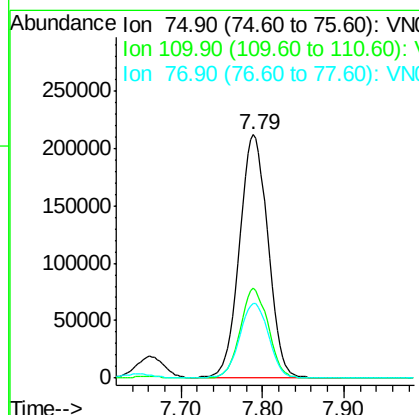
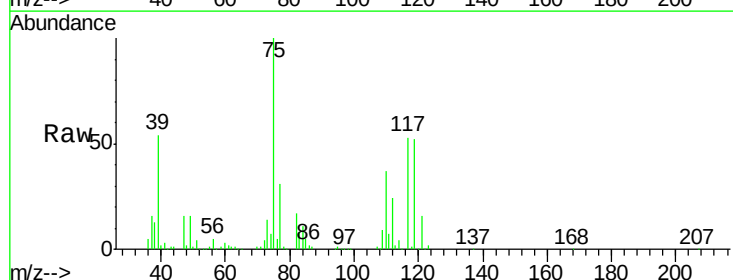
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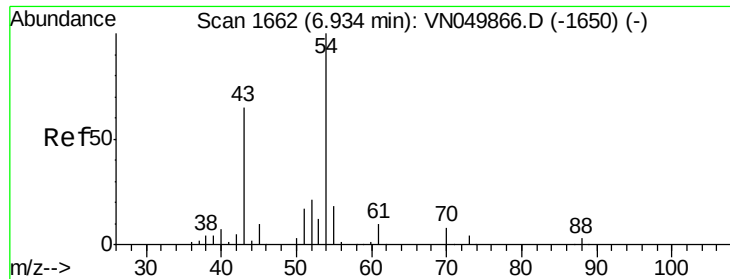
MMDadoda
 7/20/2018 11:08:01 AM



#36
 1,1-Dichloropropene
 Concen: 50.56 ug/l
 RT: 7.79 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	509970		
110	36.4	18.1	54.4	
77	31.5	24.9	37.3	





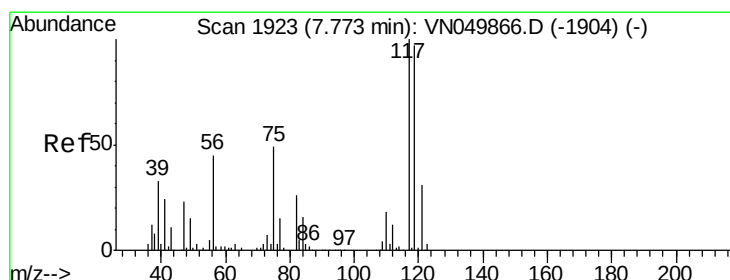
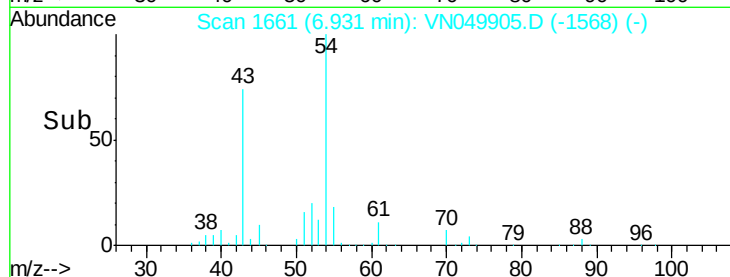
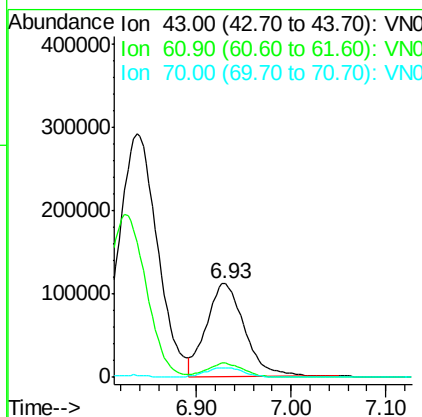
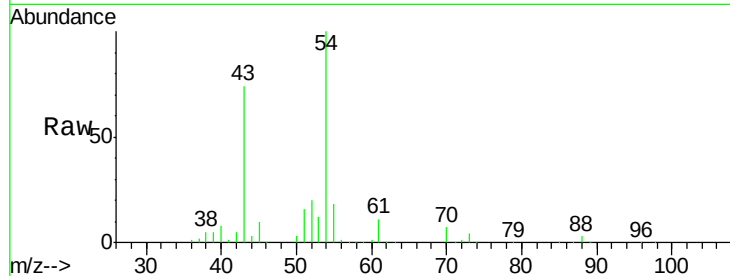
#37
Ethyl Acetate
Concen: 45.31 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.7	17.5
70	10.5	8.4	12.6

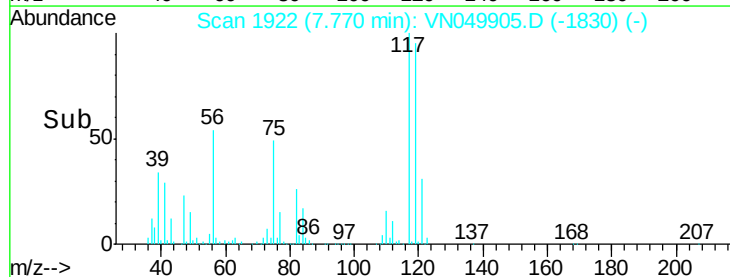
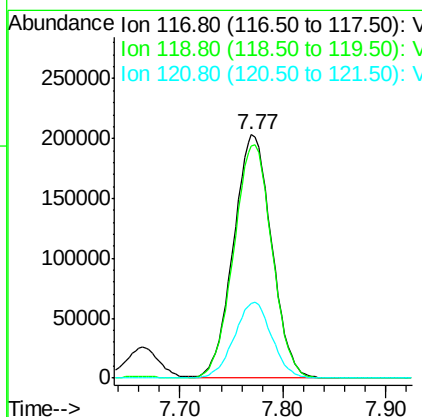
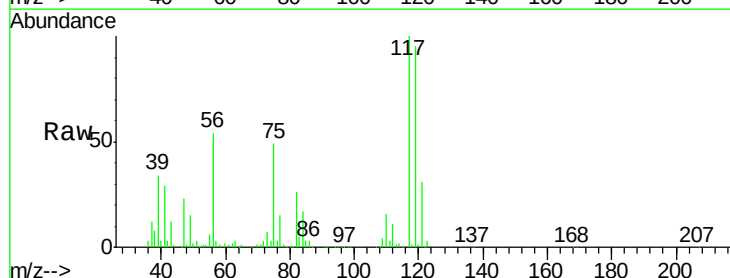
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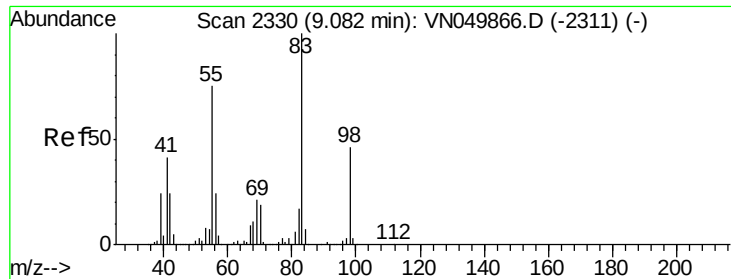
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7/20/2018 11:08:01 AM



#38
Carbon Tetrachloride
Concen: 48.26 ug/l
RT: 7.77 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.2	115.8
121	30.9	25.0	37.6





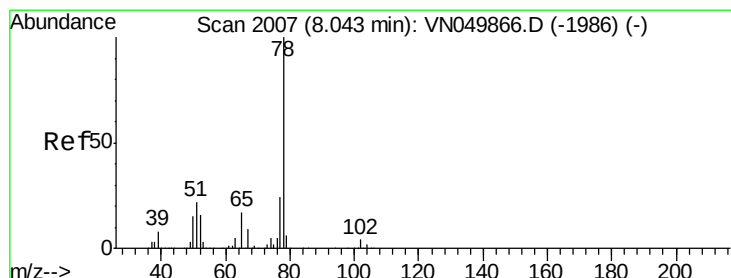
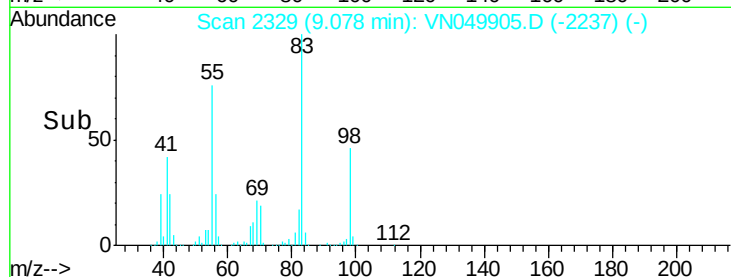
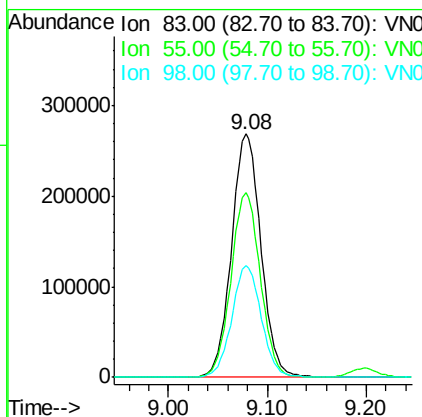
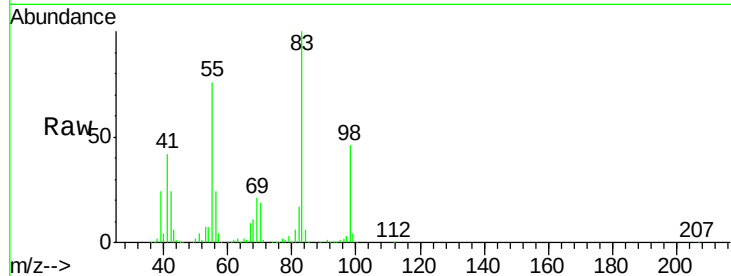
#39
Methylvlcyclohexane
Concen: 53.50 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	557562		
55	76.1		59.7	89.5
98	45.8		36.5	54.7

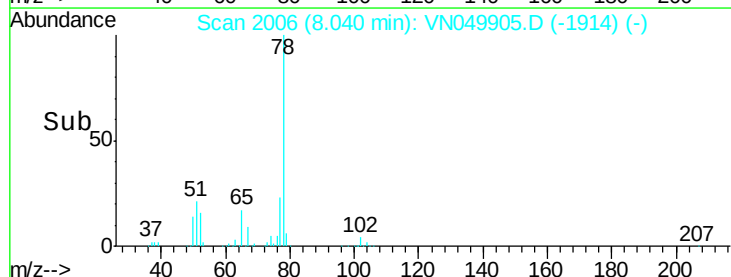
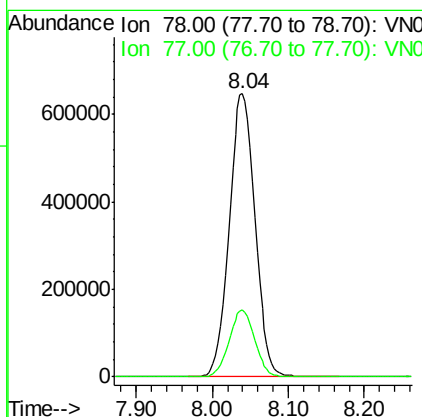
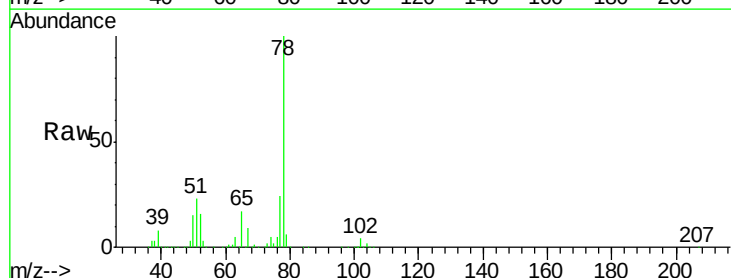
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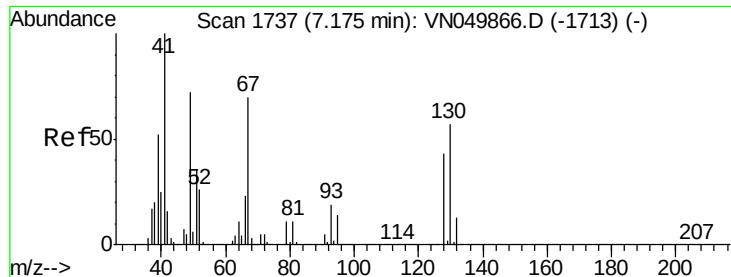
MMDadoda
7/20/2018 11:08:01 AM



#40
Benzene
Concen: 49.58 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1524293		
77	23.5		19.0	28.4





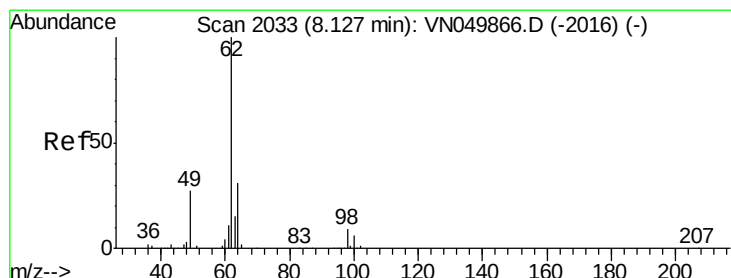
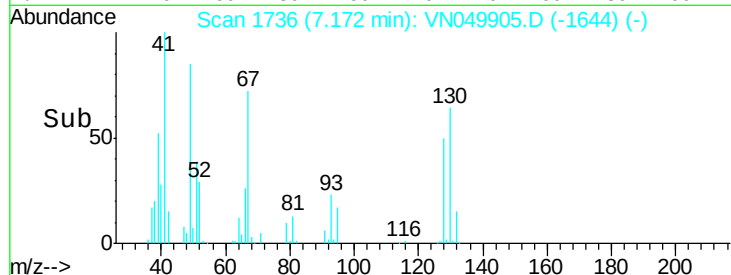
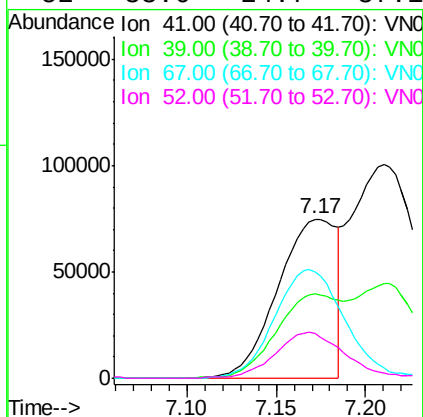
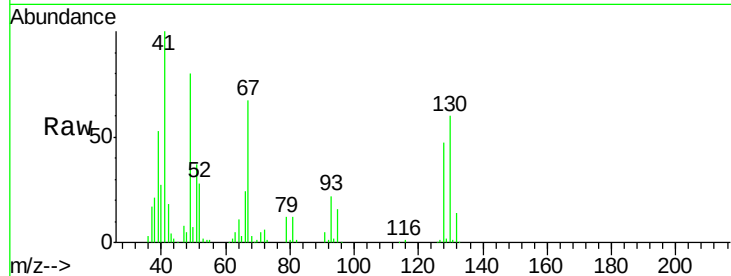
#41
Methacrylonitrile
Concen: 49.44 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	171685
Ion Ratio	Lower	Upper	
41	100		
39	57.2	45.4	68.2
67	82.4	65.4	98.0
52	33.6	24.7	37.1

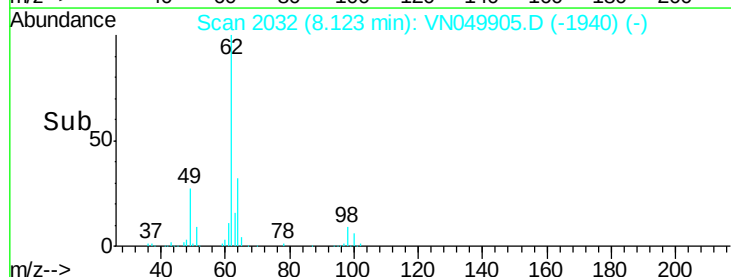
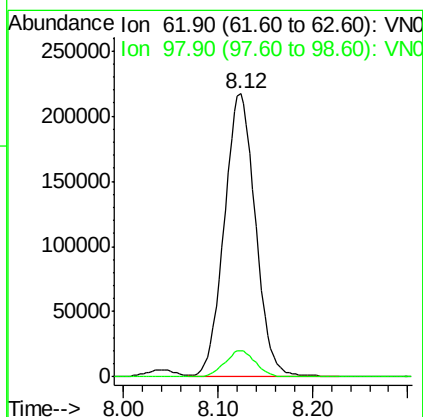
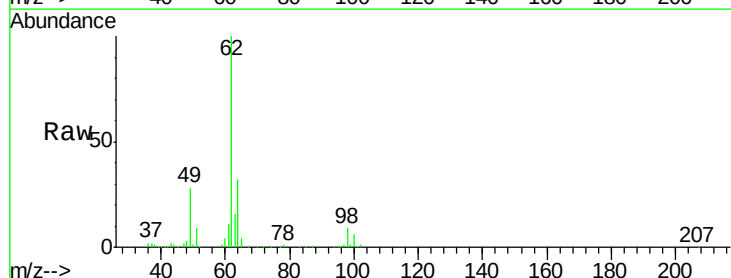
Manual Integrations
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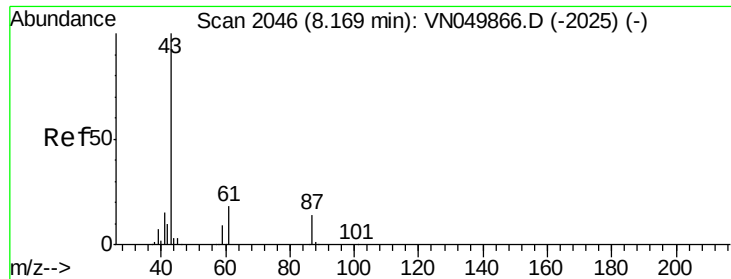
MMDadoda
7/20/2018 11:08:01 AM



#42
1,2-Dichloroethane
Concen: 48.60 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion	62	Resp	494904
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	19.0





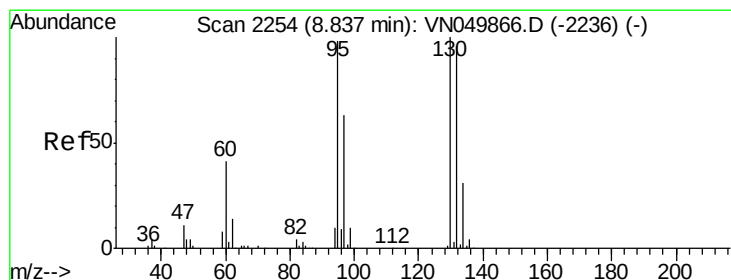
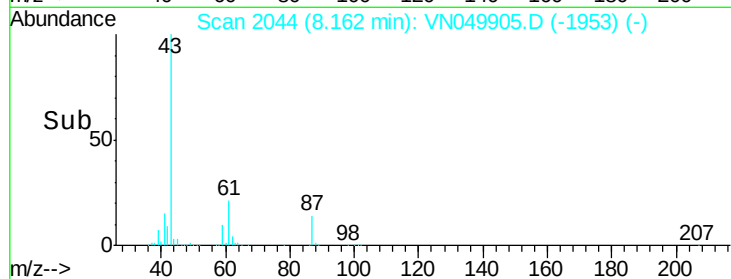
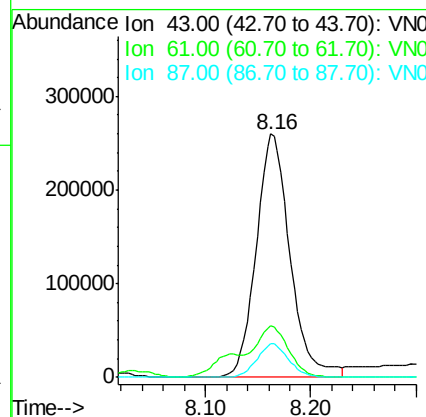
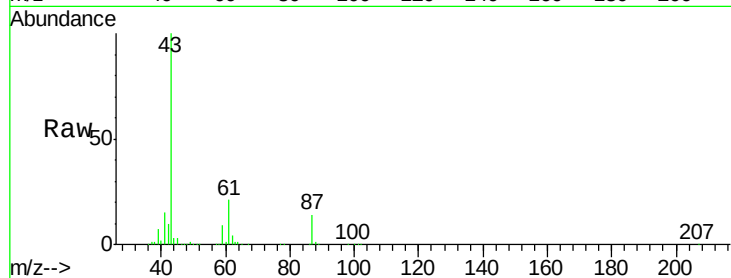
#43
Isopropyl Acetate
Concen: 47.84 ug/l
RT: 8.16 min Scan# 2044
Delta R.T. -0.01 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	14.9	22.3
87	13.0	10.0	15.0

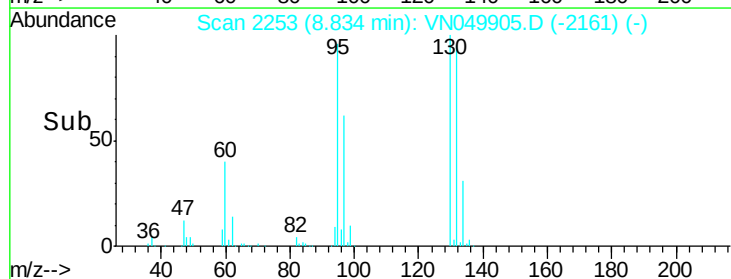
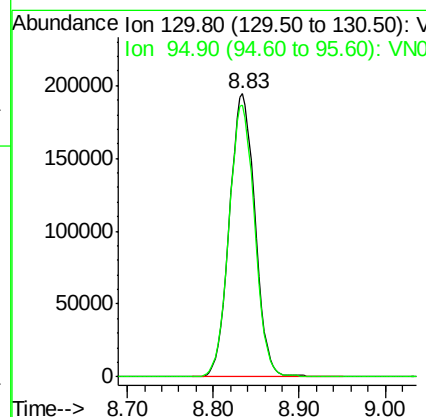
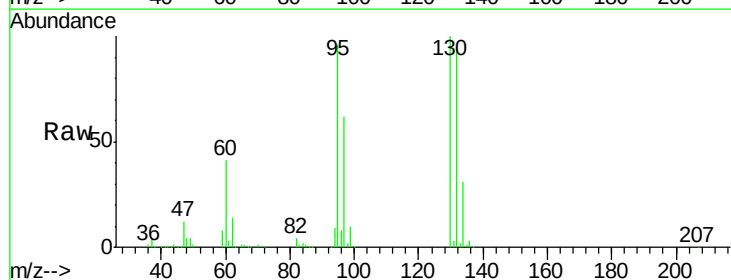
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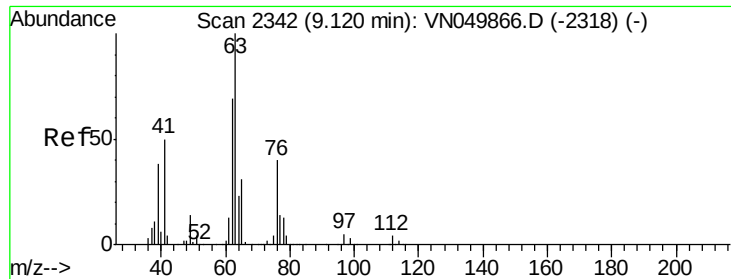
MMDadoda
7/20/2018 11:08:01 AM



#44
Trichloroethene
Concen: 49.77 ug/l
RT: 8.83 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	192.8





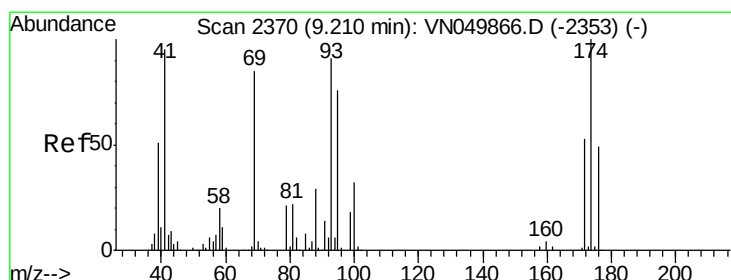
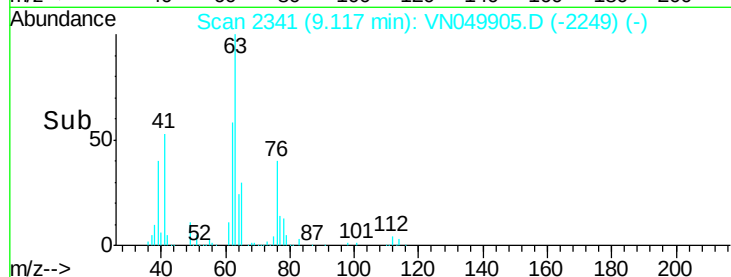
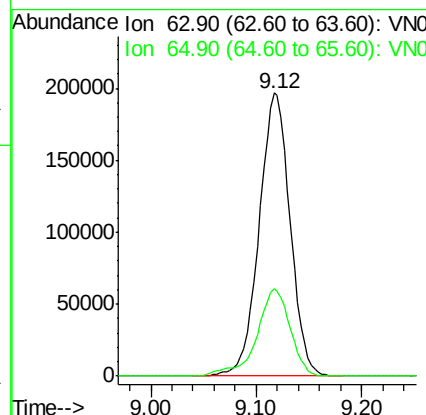
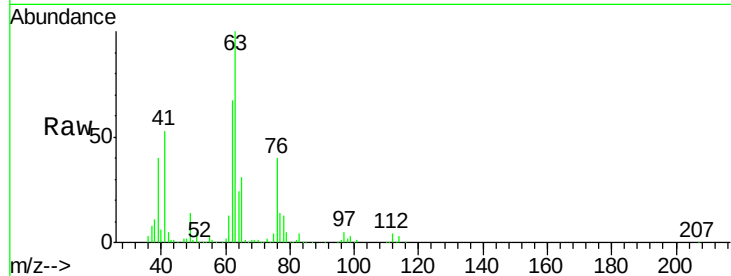
#45
 1,2-Dichloropropane
 Concen: 48.47 ug/l
 RT: 9.12 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 401969
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.7 37.1

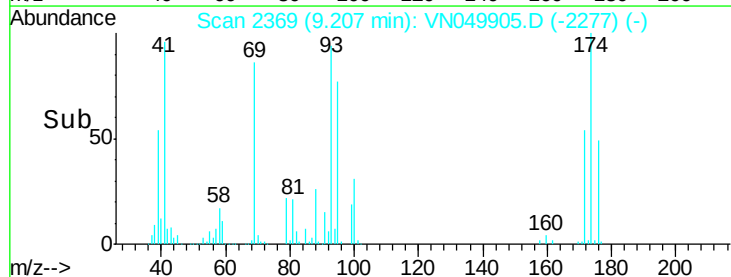
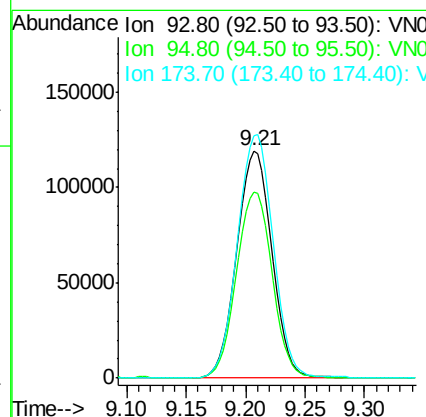
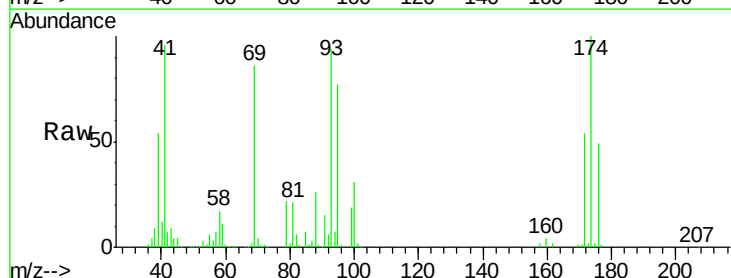
Manual Integrations
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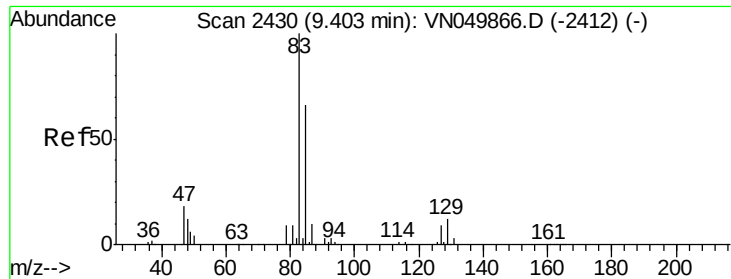
MMDadoda
 7/20/2018 11:08:01 AM



#46
 Dibromomethane
 Concen: 47.80 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion: 93 Resp: 245868
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.9 101.9
 174 108.5 89.4 134.0





#47

Bromodichloromethane

Concen: 49.36 ug/l

RT: 9.40 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

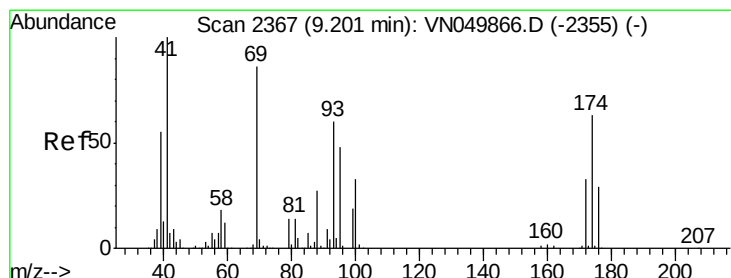
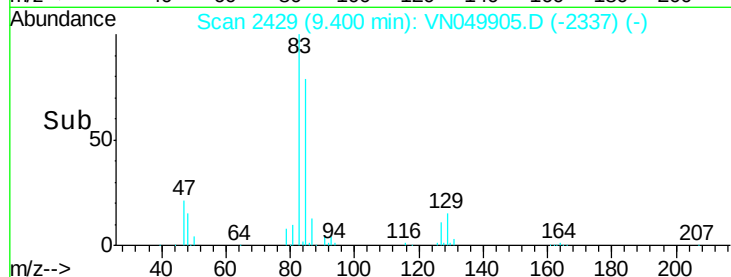
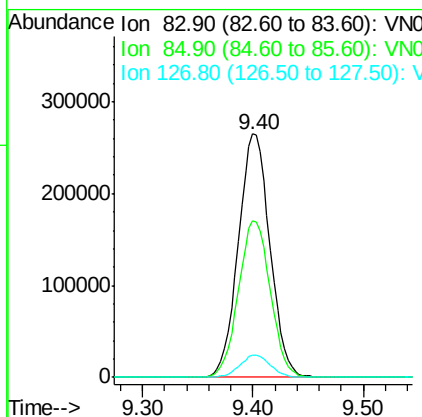
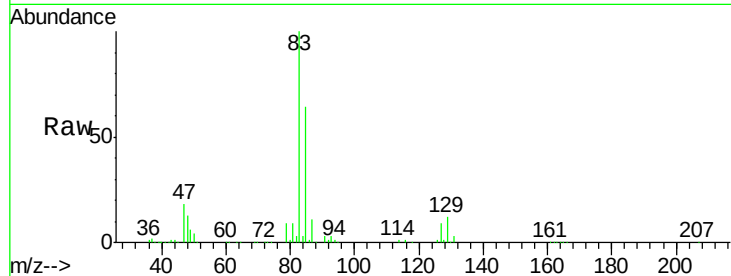
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	525109
Ion Ratio	Lower	Upper	
83	100		
85	64.2	50.5	75.7
127	9.0	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.68 ug/l

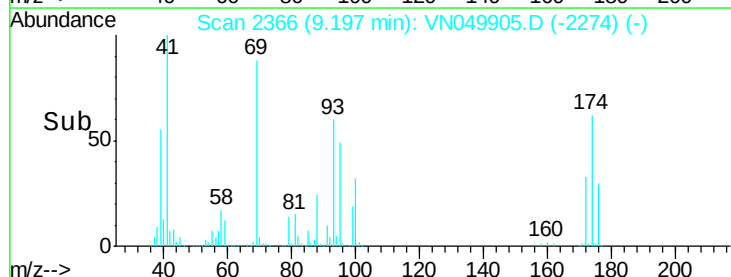
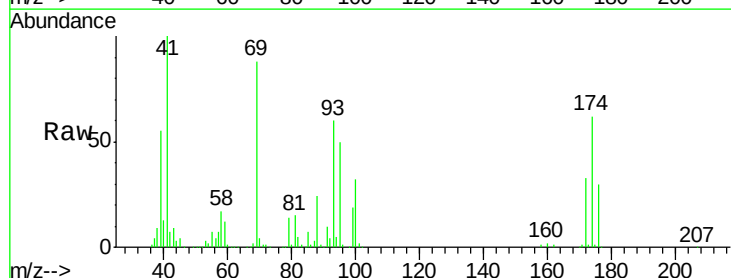
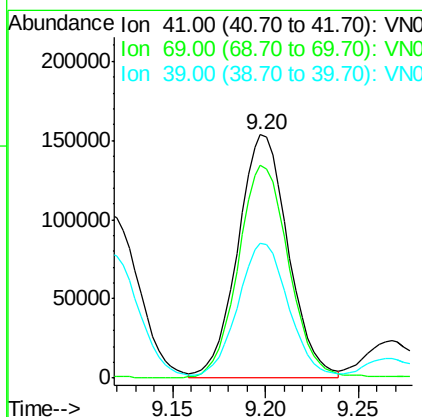
RT: 9.20 min Scan# 2366

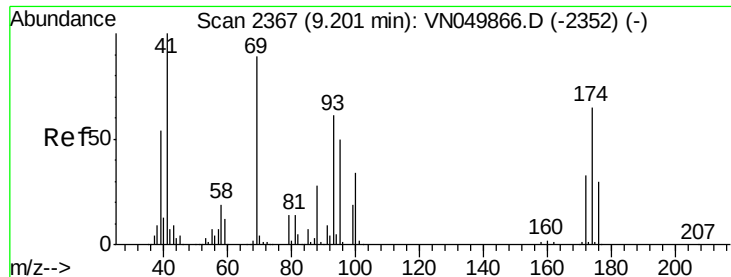
Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Tgt Ion:	41	Resp:	289449
Ion Ratio	Lower	Upper	
41	100		
69	88.4	71.5	107.3
39	56.0	44.7	67.1





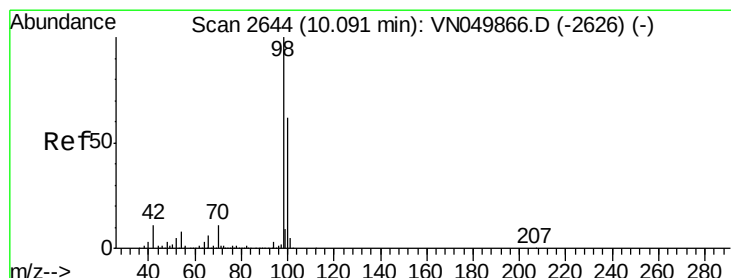
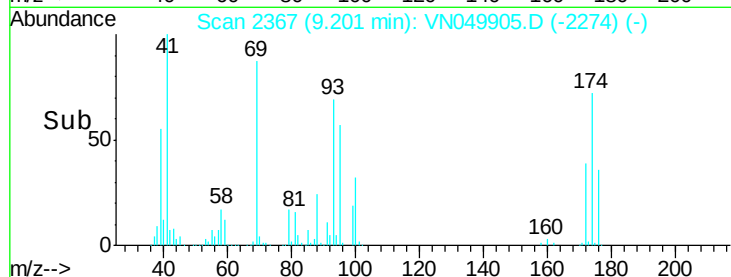
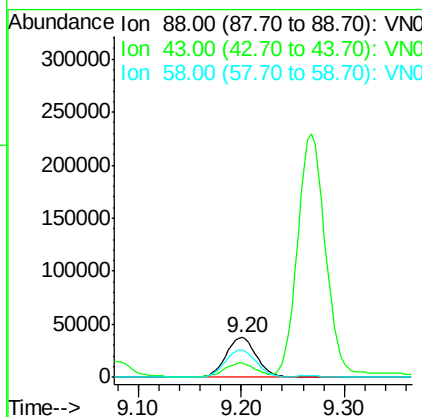
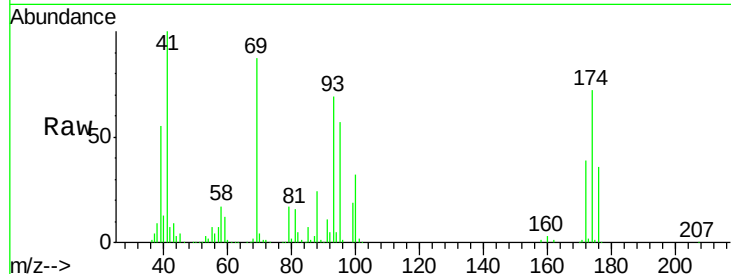
#49
1,4-Dioxane
Concen: 907.90 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.8	25.1	37.7
58	69.6	52.5	78.7

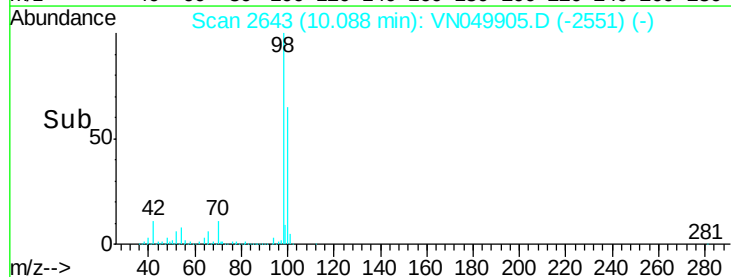
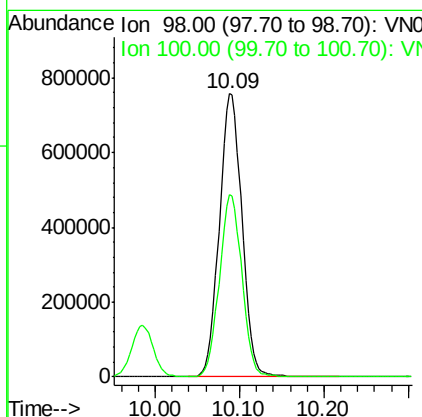
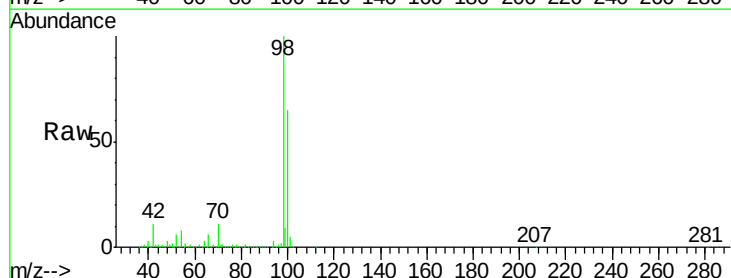
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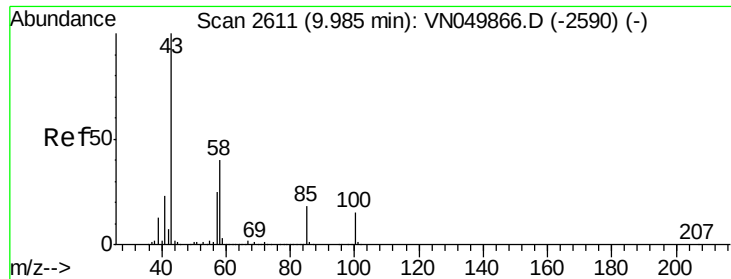
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#50
Toluene-d8
Concen: 50.78 ug/l
RT: 10.09 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 240.91 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1629751

Ion Ratio Lower Upper

43 100

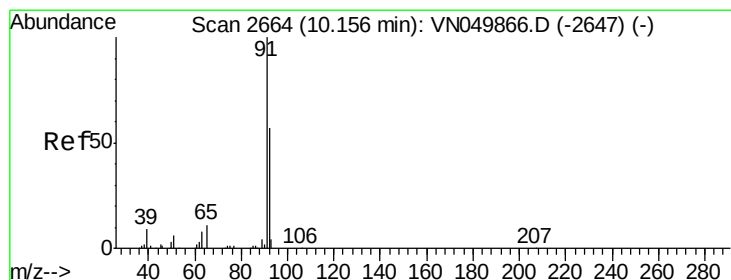
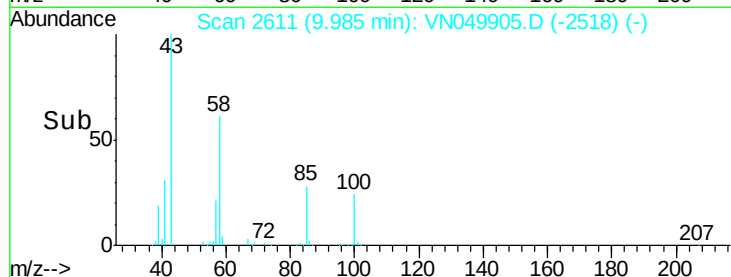
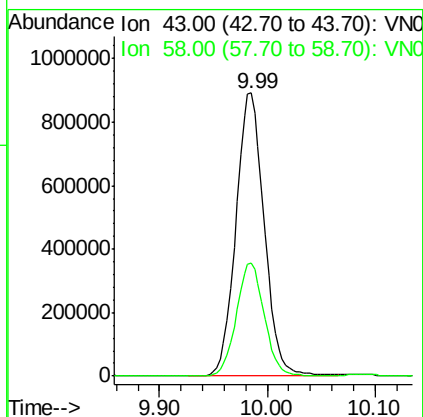
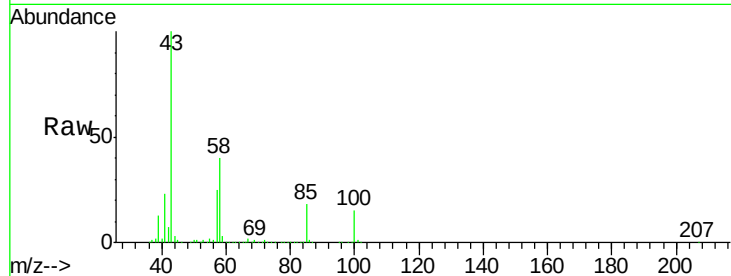
58 39.5 31.8 47.8

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#52

Toluene

Concen: 52.33 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049905.D

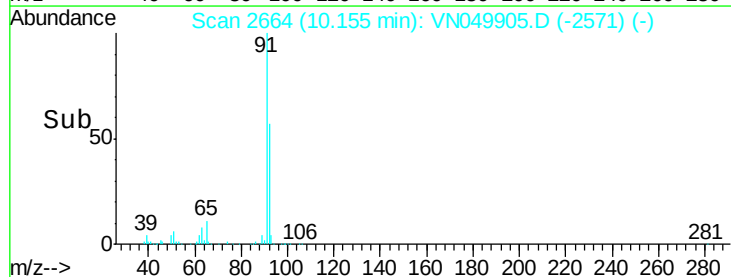
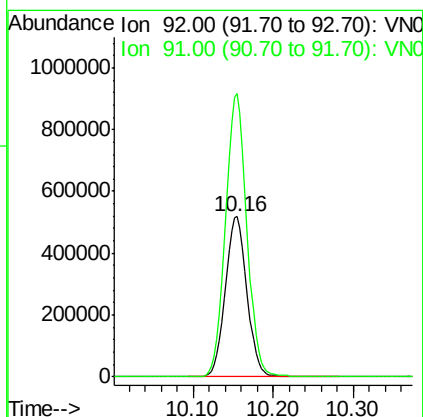
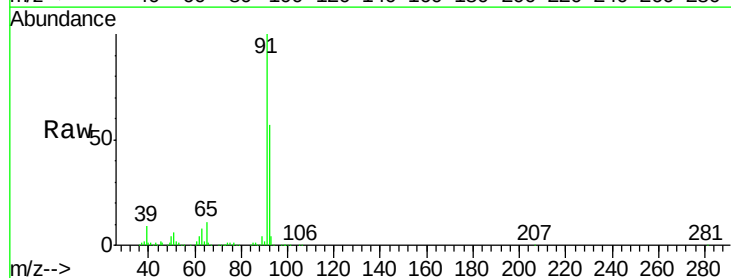
Acq: 19 Jul 2018 9:42

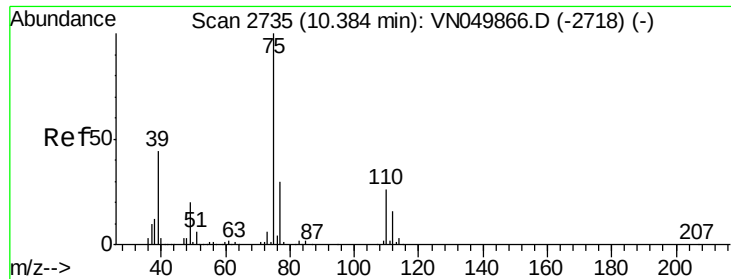
Tgt Ion: 92 Resp: 959748

Ion Ratio Lower Upper

92 100

91 174.9 140.1 210.1





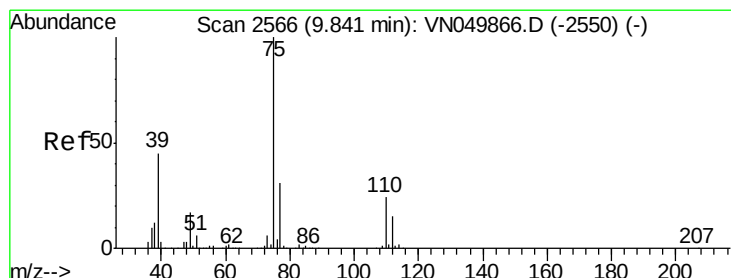
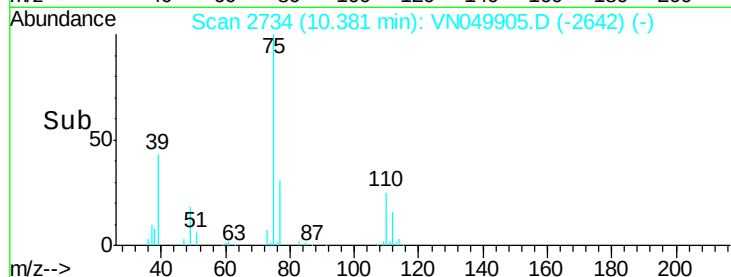
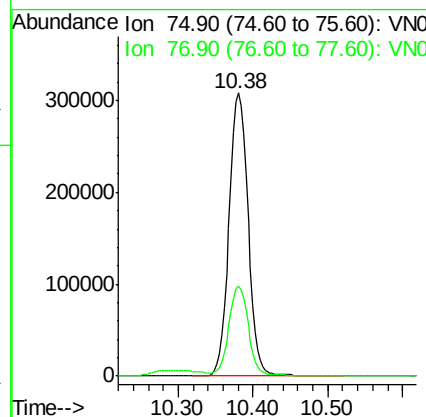
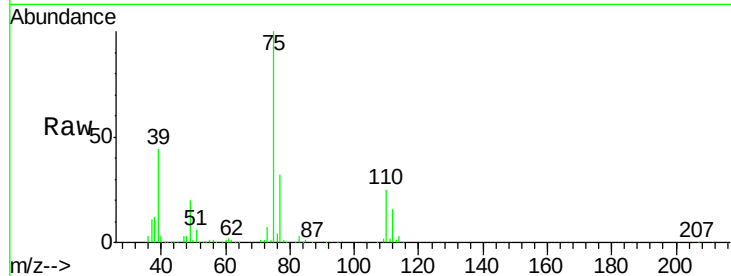
#53
t-1,3-Dichloropropene
Concen: 51.64 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 543201
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

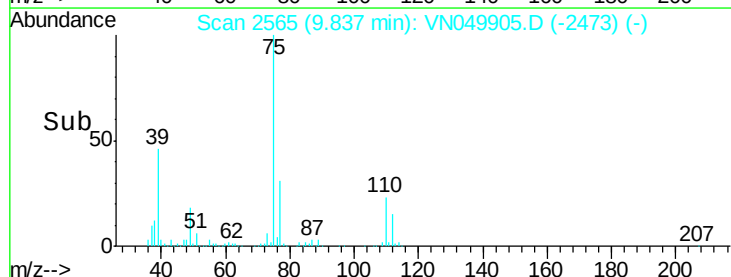
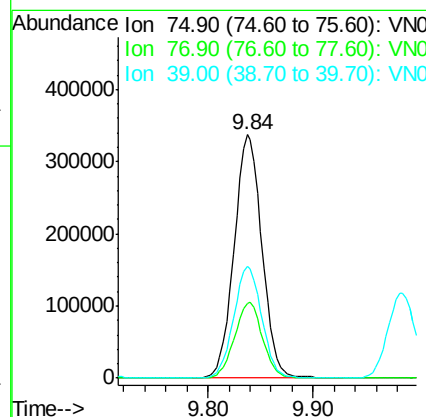
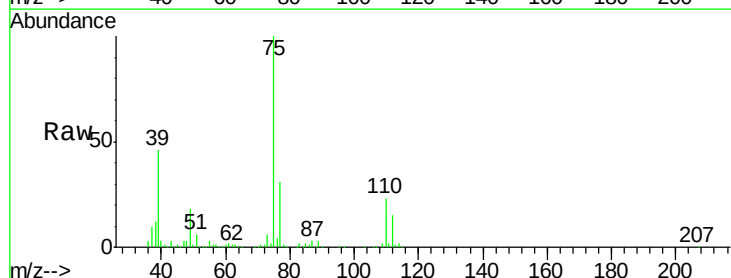
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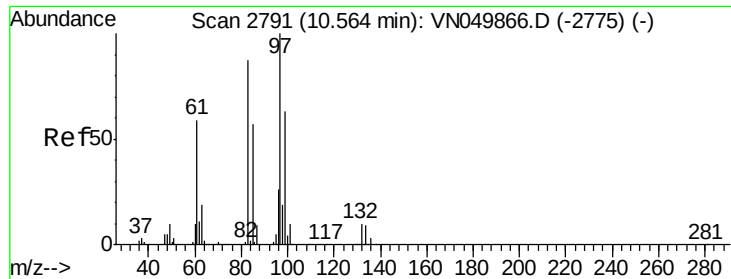
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#54
cis-1,3-Dichloropropene
Concen: 52.71 ug/l
RT: 9.84 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion: 75 Resp: 612717
Ion Ratio Lower Upper
75 100
77 30.8 25.3 37.9
39 46.1 35.5 53.3





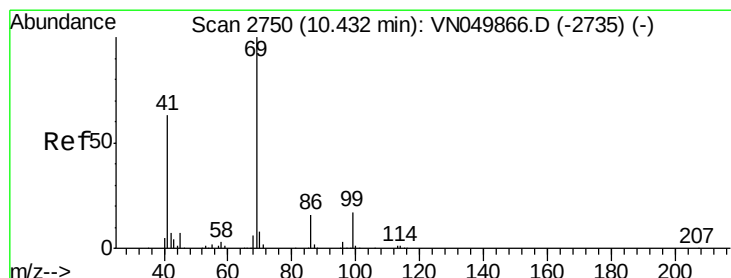
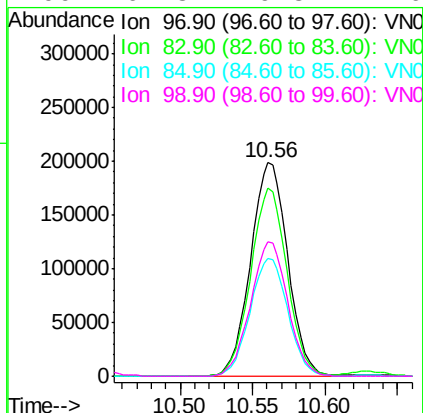
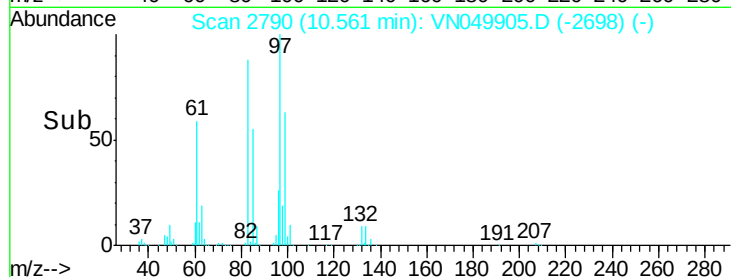
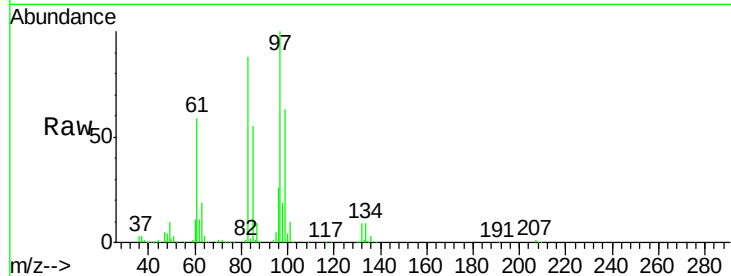
#55
 1,1,2-Trichloroethane
 Concen: 46.87 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	87.8	69.0	103.6		
85	55.4	44.9	67.3		
99	62.8	49.8	74.6		

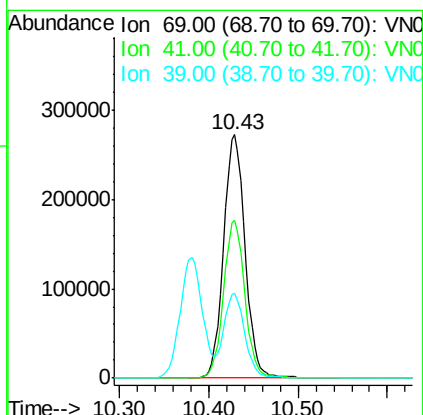
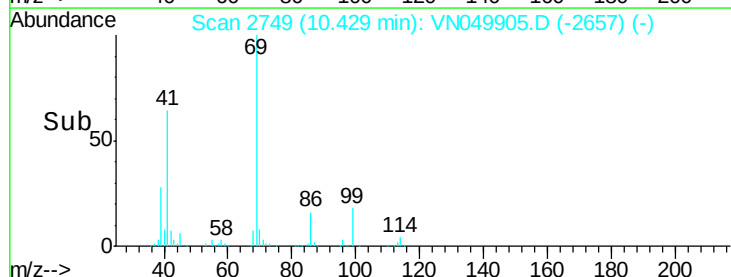
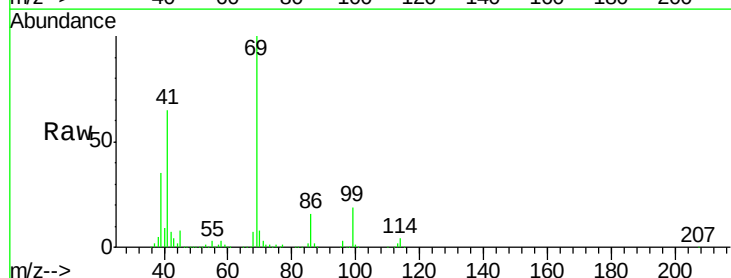
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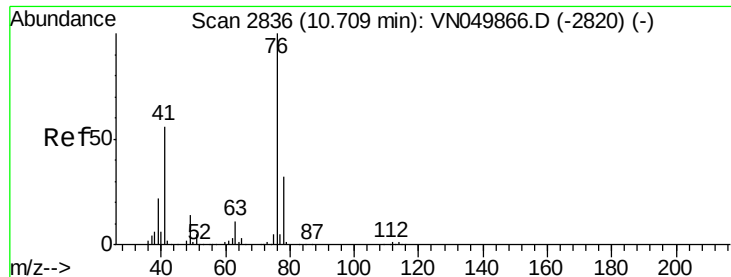
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#56
 Ethyl methacrylate
 Concen: 44.94 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	63.2	51.6	77.4		
39	33.9	25.8	38.8		





#57

1,3-Dichloropropane

Concen: 49.36 ug/l

RT: 10.71 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 588980

Ion Ratio Lower Upper

76 100

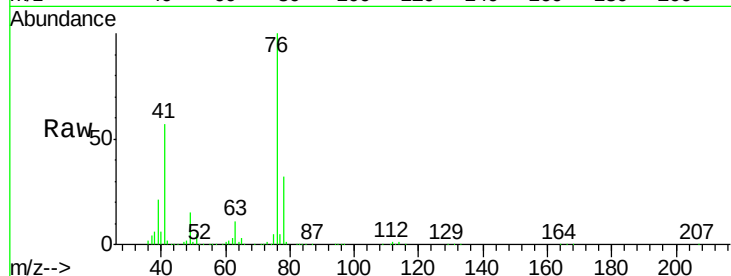
78 32.4 25.8 38.8

Manual Integrations

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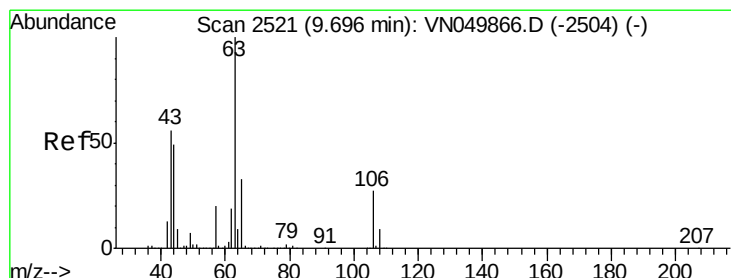
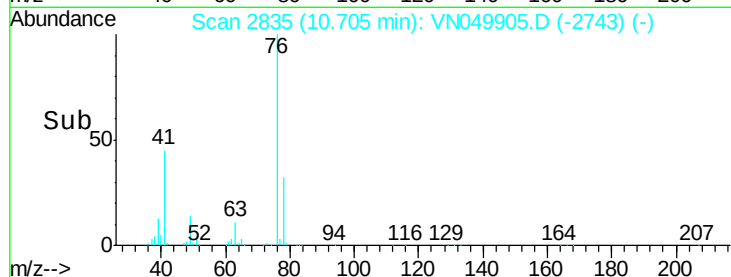
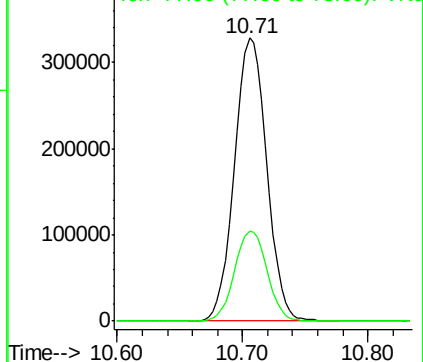
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7/20/2018 11:08:01 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 231.59 ug/l

RT: 9.69 min Scan# 2520

Delta R.T. -0.00 min

Lab File: VN049905.D

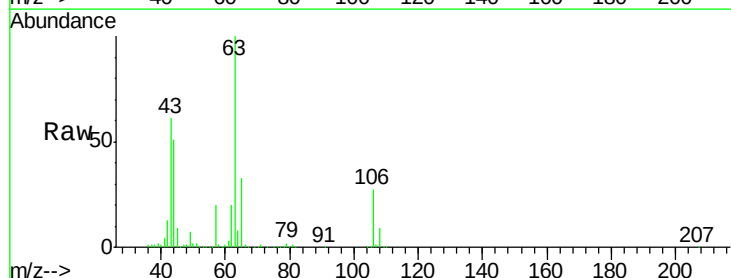
Acq: 19 Jul 2018 9:42

Tgt Ion: 63 Resp: 1104230

Ion Ratio Lower Upper

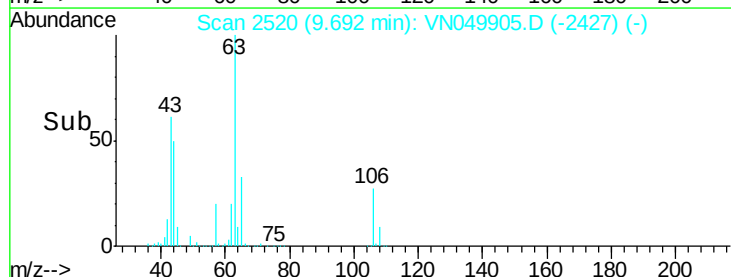
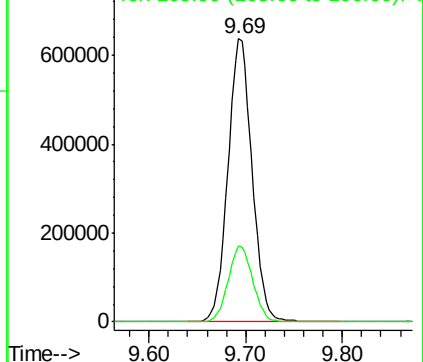
63 100

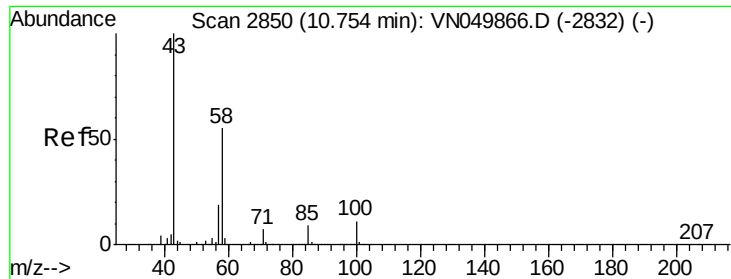
106 27.2 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





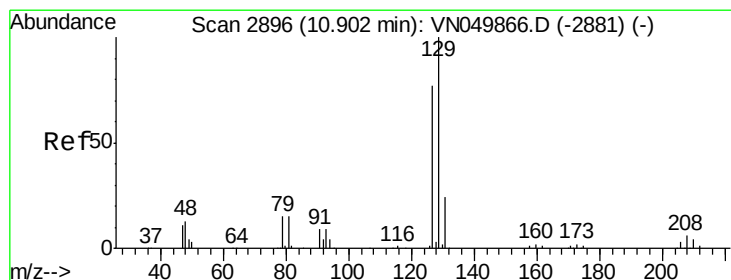
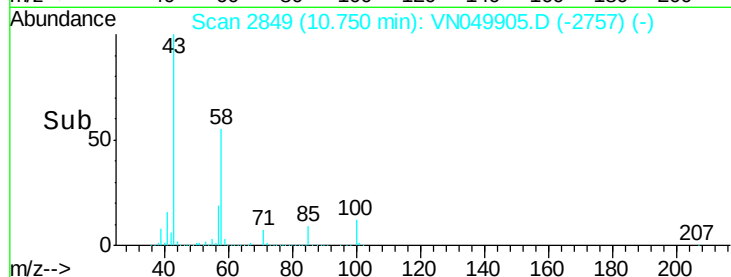
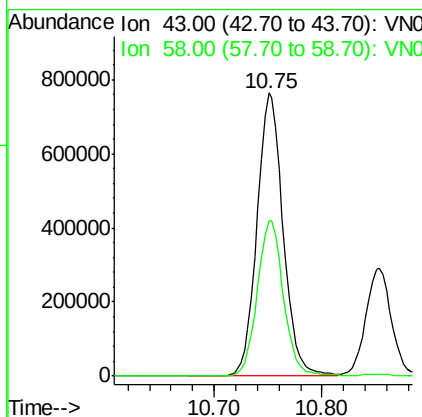
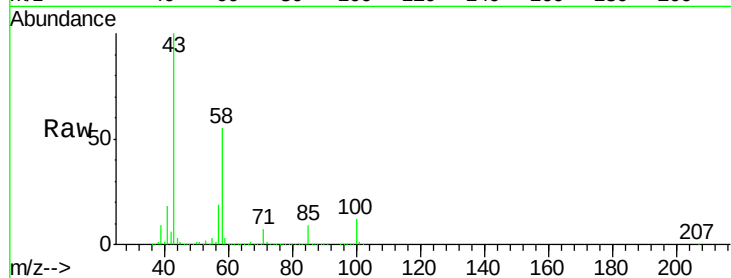
#59
2-Hexanone
Concen: 281.28 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1278116
Ion Ratio Lower Upper
43 100
58 55.3 27.8 83.4

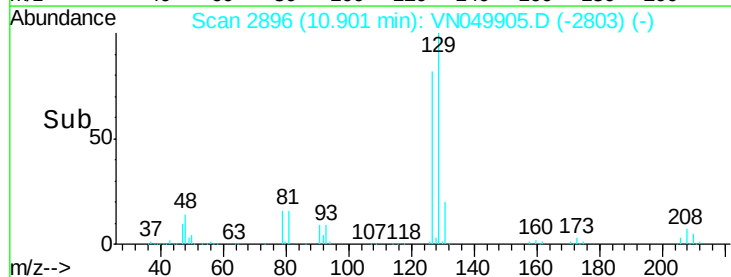
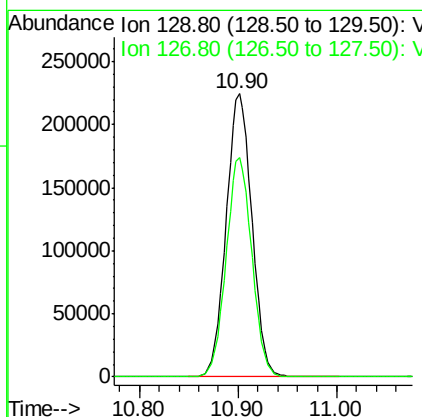
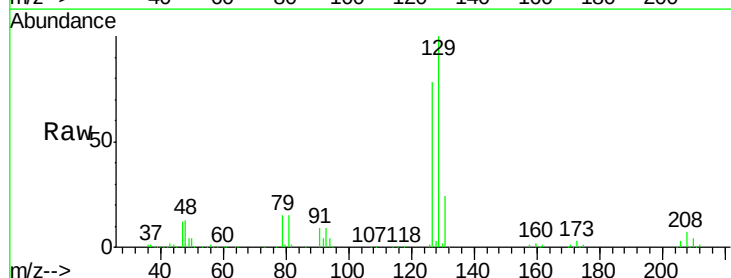
Manual Integrations
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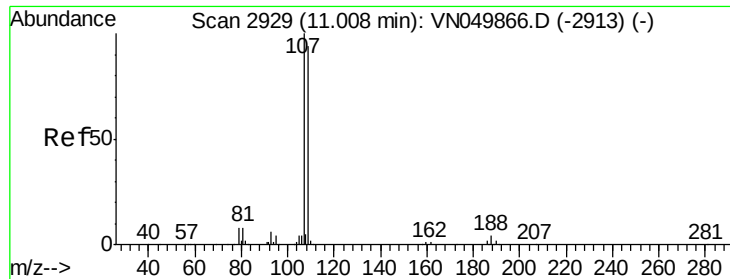
MMDadoda
7/20/2018 11:08:01 AM



#60
Dibromochloromethane
Concen: 49.41 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion: 129 Resp: 410474
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.9





#61

1,2-Dibromoethane

Concen: 48.50 ug/l

RT: 11.00 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 343311

Ion Ratio Lower Upper

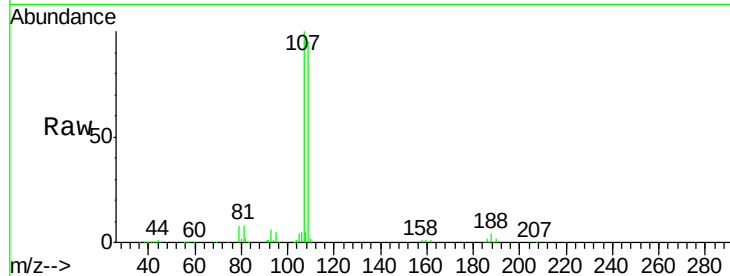
107 100

109 95.1 75.0 112.6

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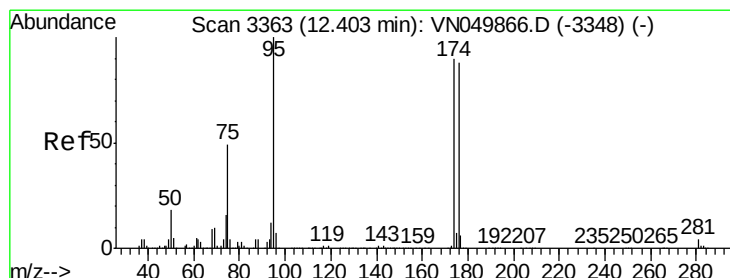
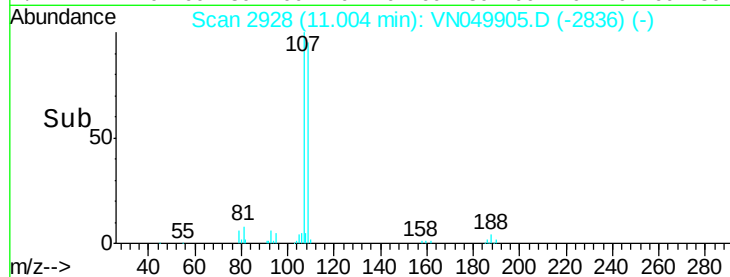
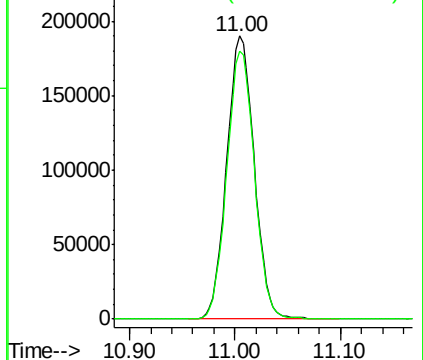
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.01 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

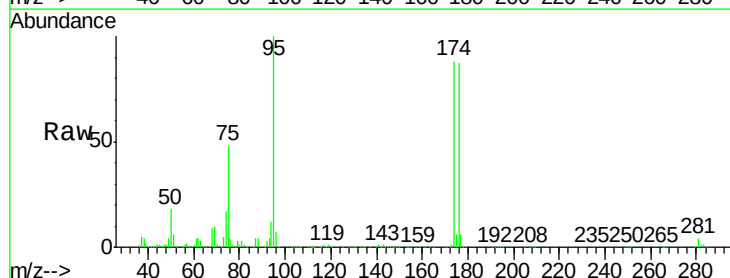
Tgt Ion: 95 Resp: 497053

Ion Ratio Lower Upper

95 100

174 89.6 0.0 179.6

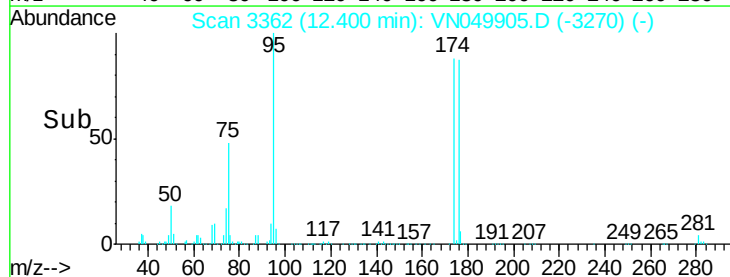
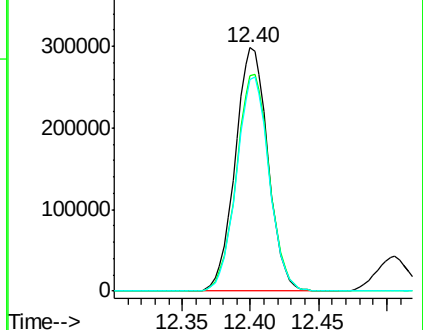
176 87.3 0.0 174.0

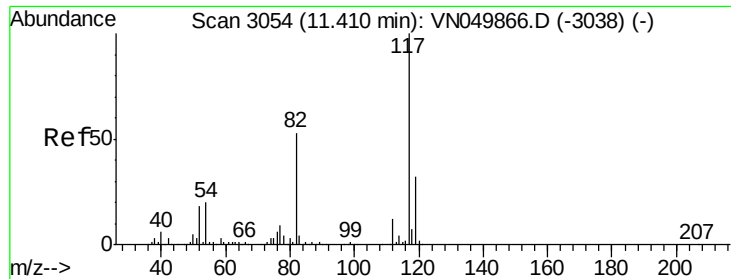


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

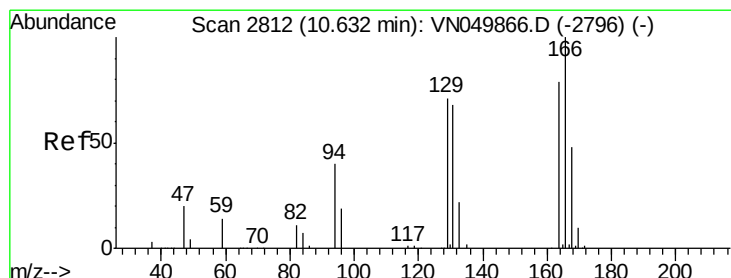
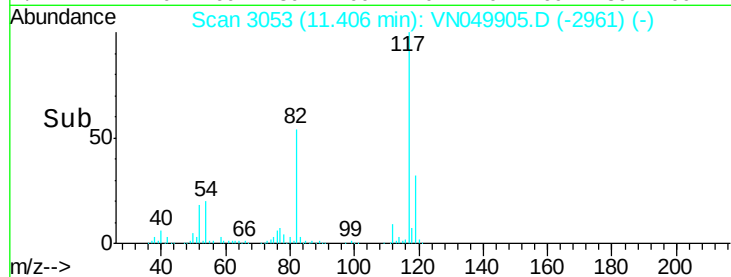
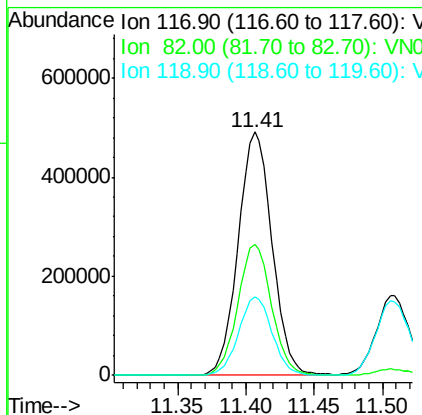
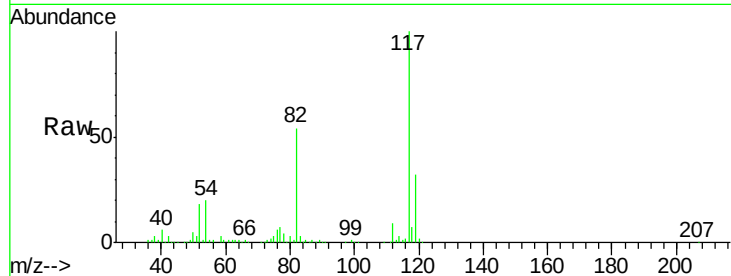
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	848602
Ion Ratio	Lower	Upper	
117	100		
82	54.0	41.9	62.9
119	32.4	25.4	38.2

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#64

Tetrachloroethene

Concen: 48.82 ug/l

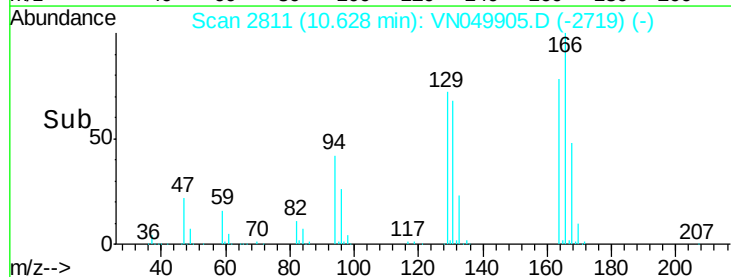
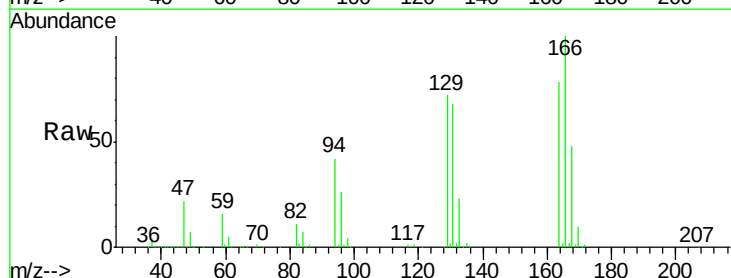
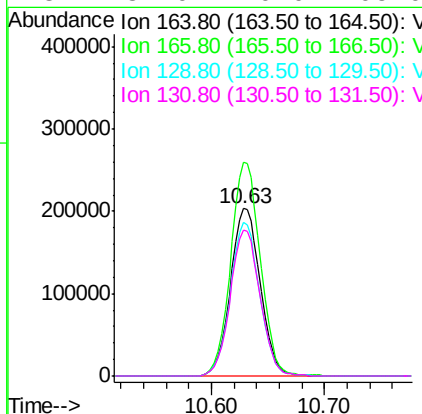
RT: 10.63 min Scan# 2811

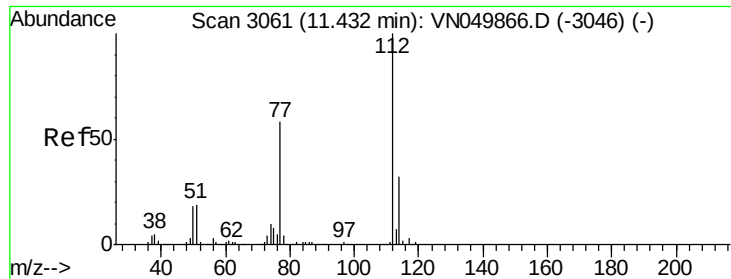
Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Tgt Ion:	164	Resp:	372287
Ion Ratio	Lower	Upper	
164	100		
166	127.6	101.8	152.6
129	91.6	72.8	109.2
131	87.0	70.0	105.0





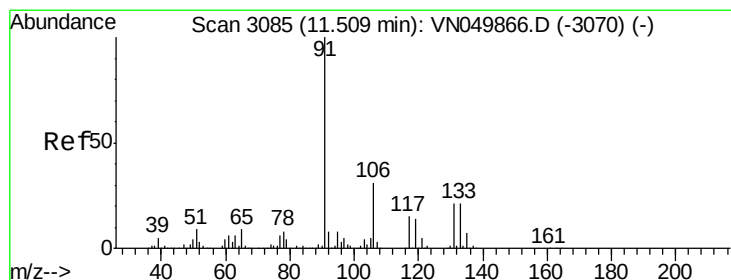
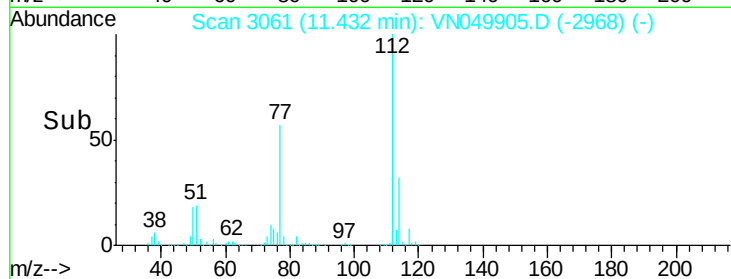
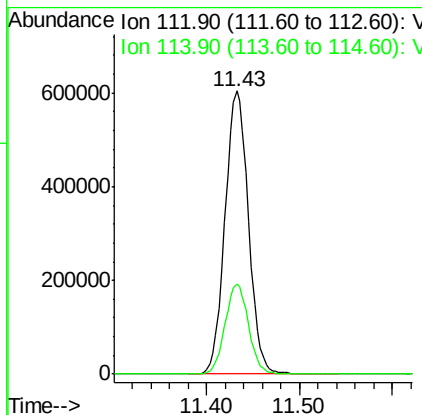
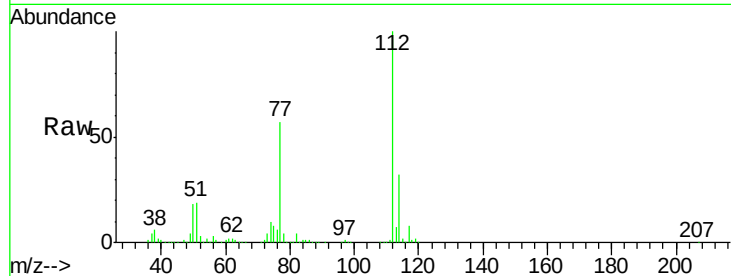
#65
Chlorobenzene
Concen: 49.47 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1054719
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0

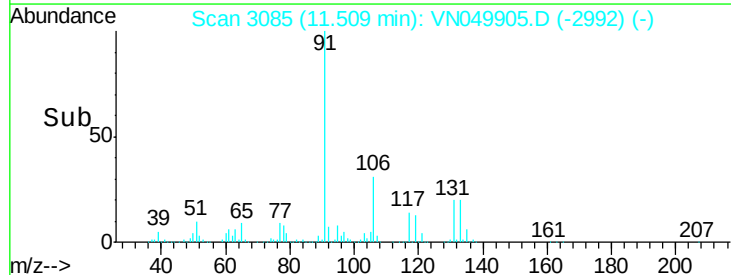
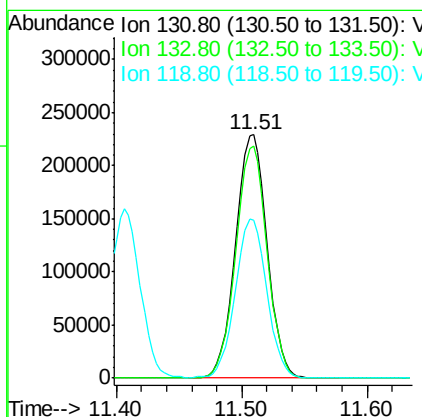
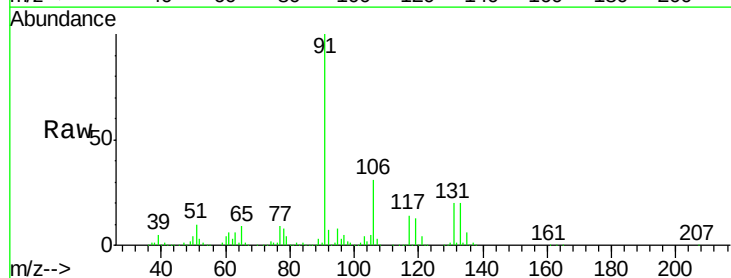
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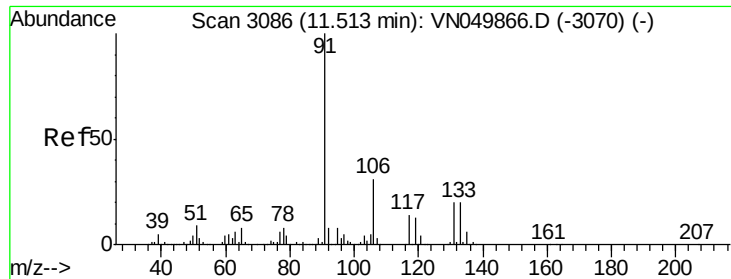
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.38 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion:131 Resp: 399574
Ion Ratio Lower Upper
131 100
133 94.8 47.5 142.6
119 65.6 33.1 99.3





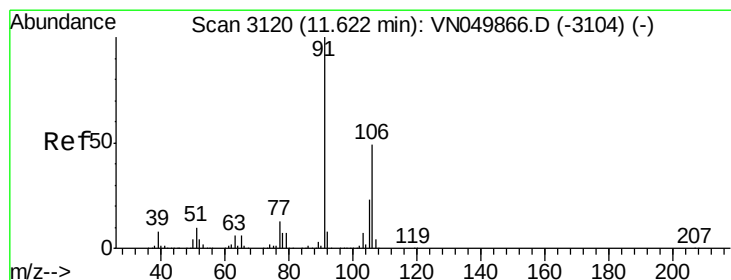
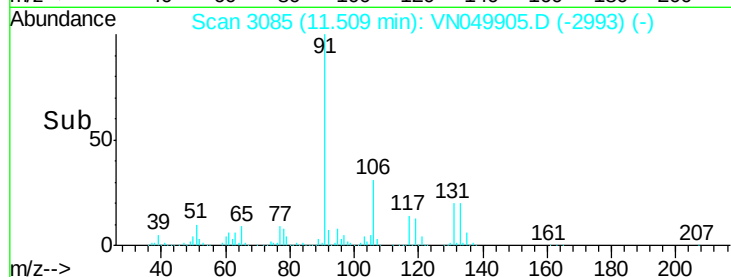
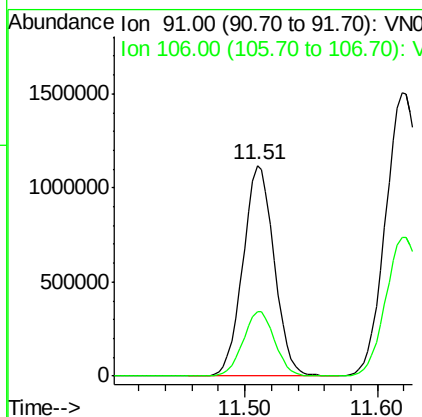
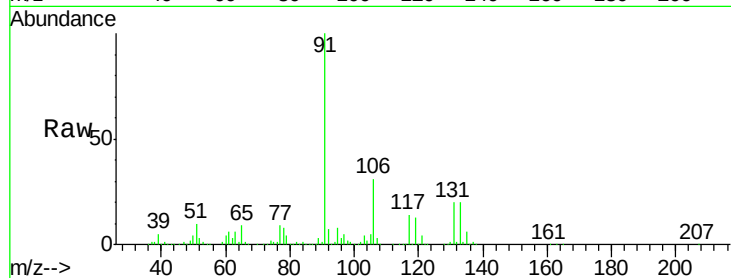
#67
Ethyl Benzene
Concen: 52.98 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1832363
Ion Ratio Lower Upper
91 100
106 30.8 24.8 37.2

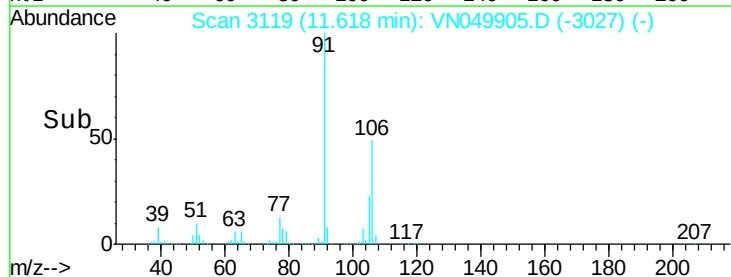
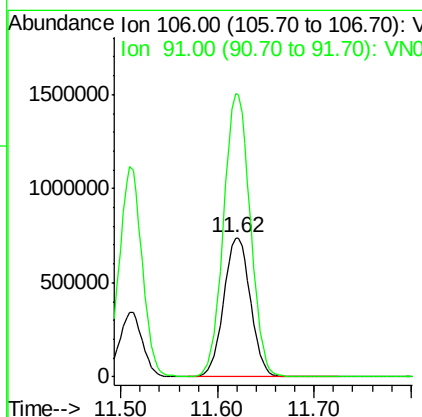
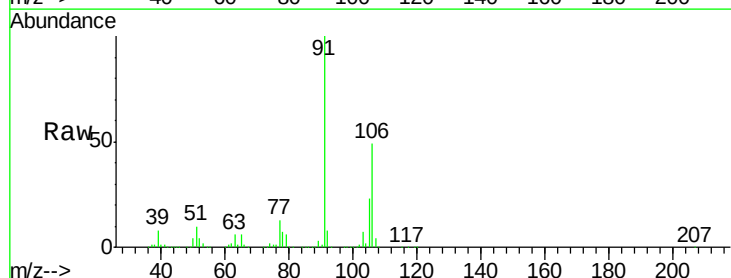
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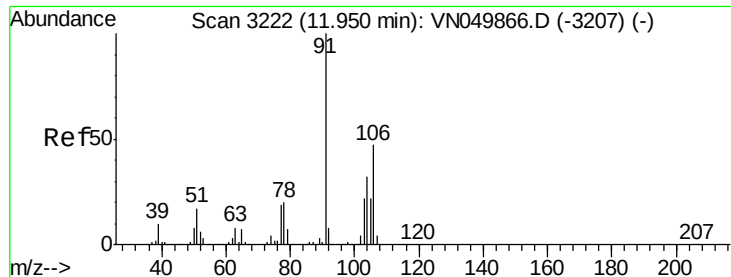
MMDadoda
7/20/2018 11:08:01 AM



#68
m/p-Xylenes
Concen: 108.32 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion: 106 Resp: 1418182
Ion Ratio Lower Upper
106 100
91 203.1 163.4 245.2





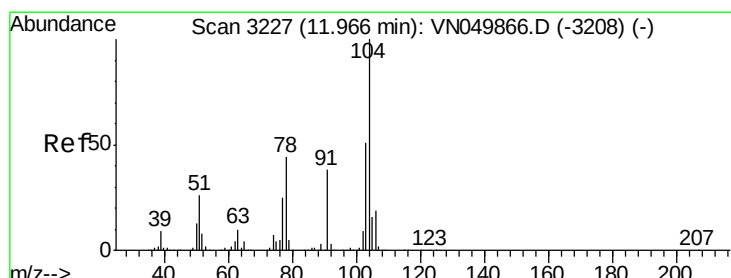
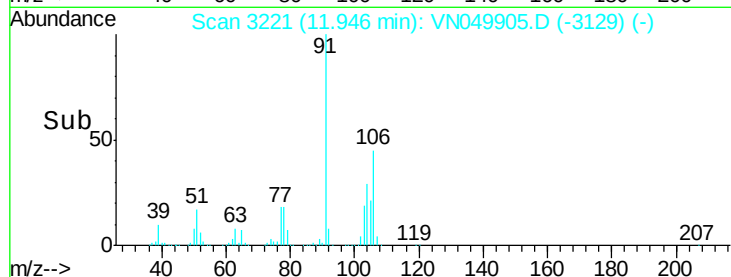
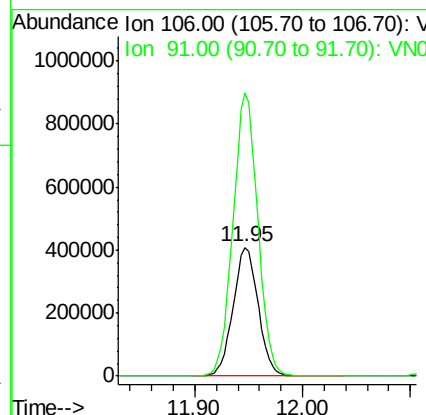
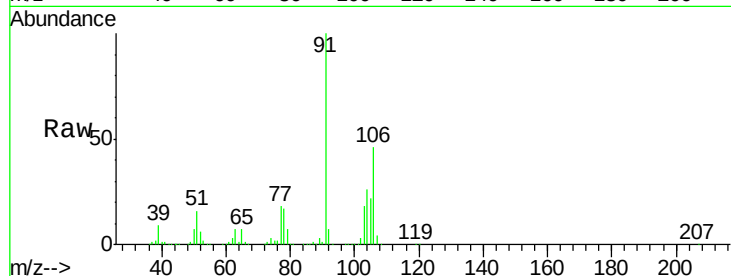
#69
o-Xylene
Concen: 52.77 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 663609
Ion Ratio Lower Upper
106 100
91 217.3 108.7 326.1

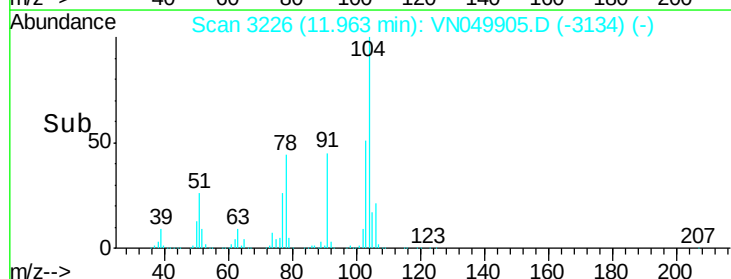
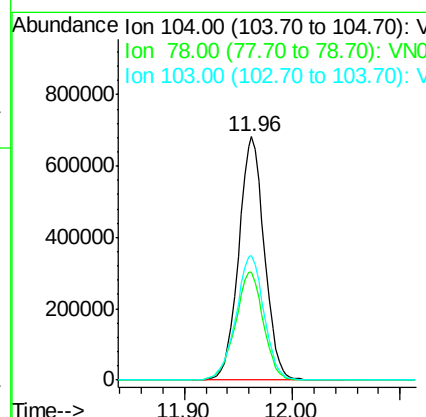
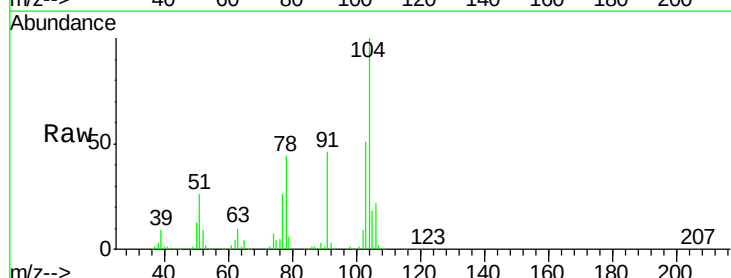
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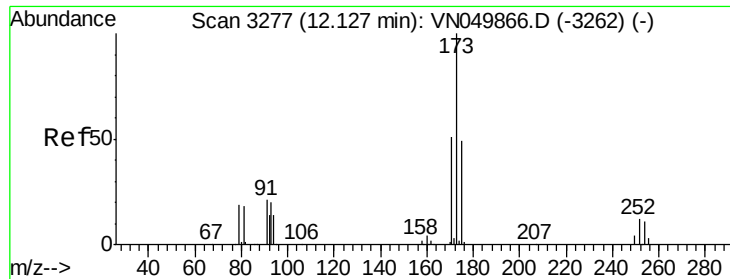
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#70
Styrene
Concen: 55.59 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion:104 Resp: 1132428
Ion Ratio Lower Upper
104 100
78 48.5 39.2 58.8
103 55.8 44.6 67.0





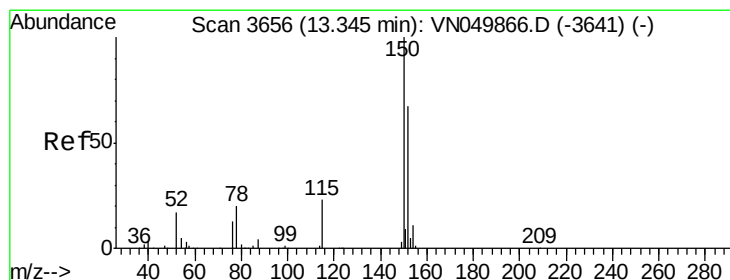
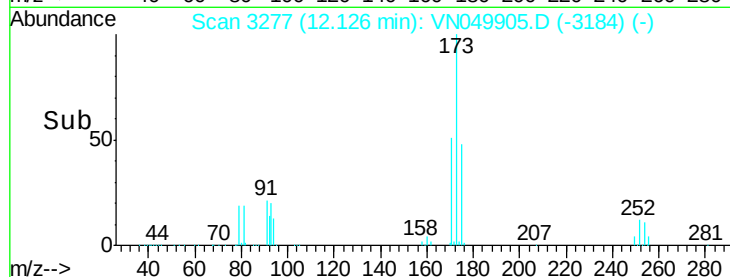
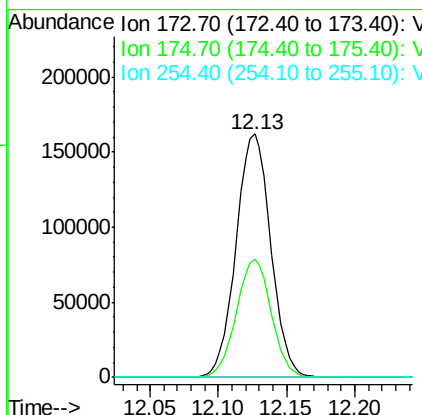
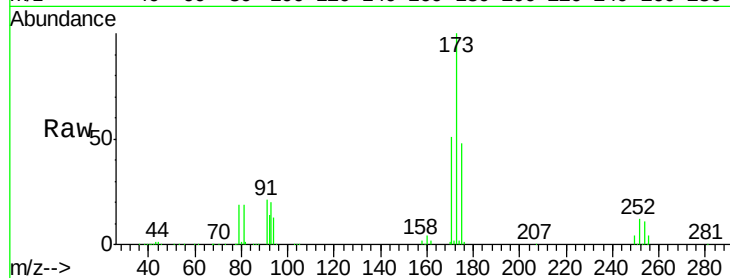
#71
Bromoform
Concen: 48.42 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	73.8
254	0.1	0.2	0.2#

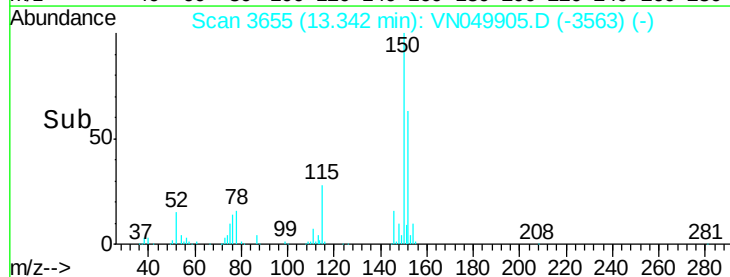
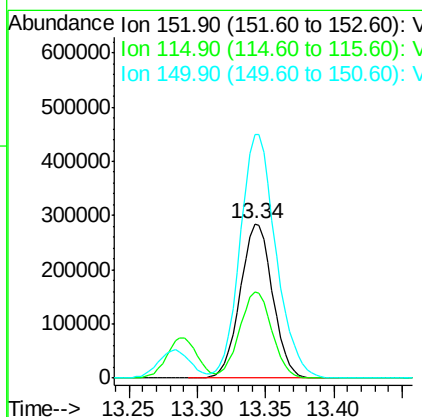
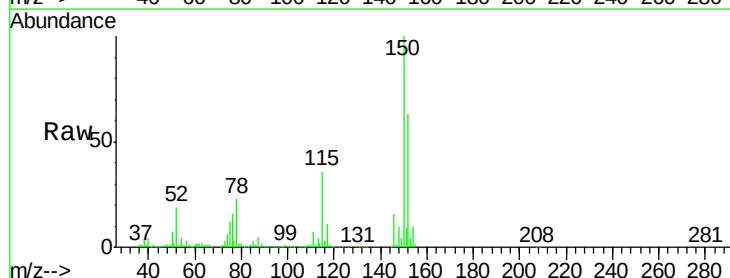
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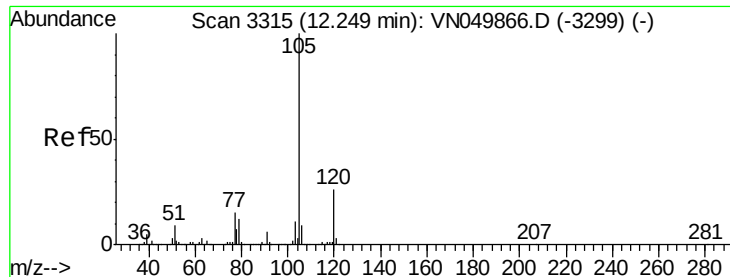
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.1	84.2
150	175.1	0.0	347.6





#73

Isopropylbenzene

Concen: 51.39 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1827394

Ion Ratio Lower Upper

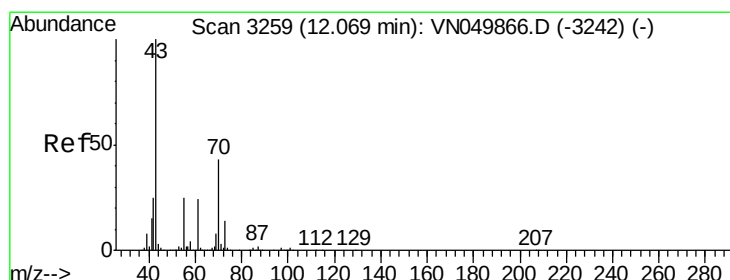
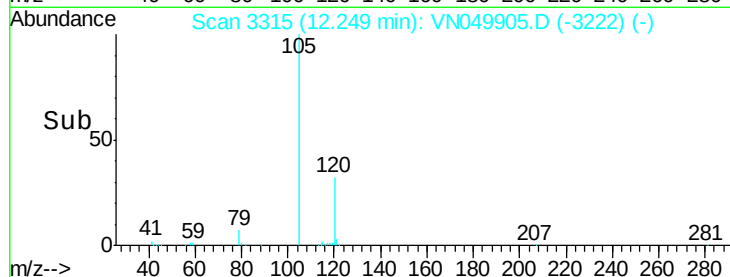
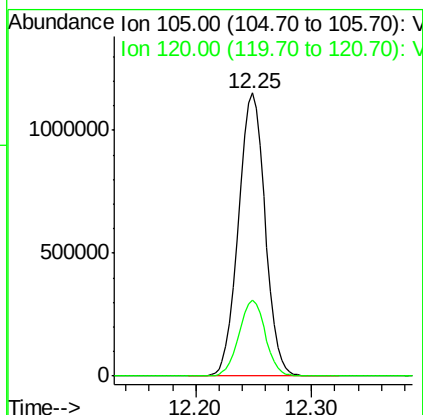
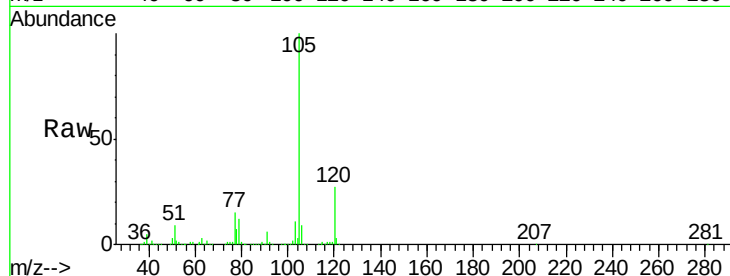
105 100

120 26.8 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 46.90 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Tgt Ion: 43 Resp: 507650

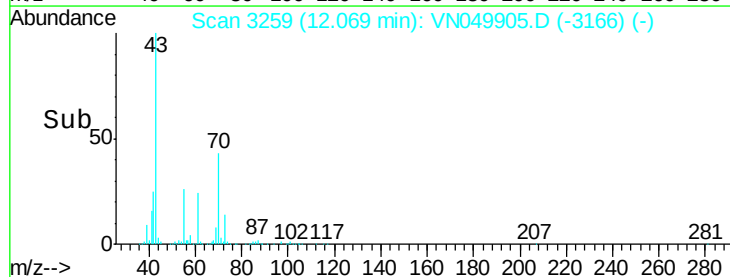
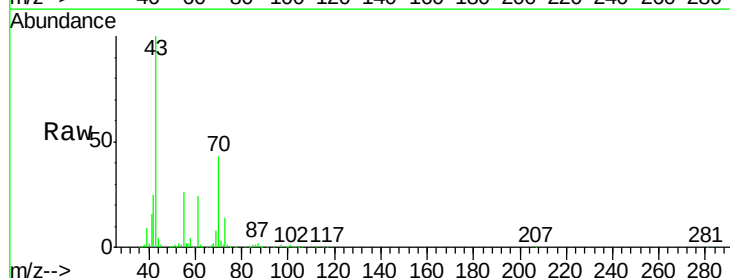
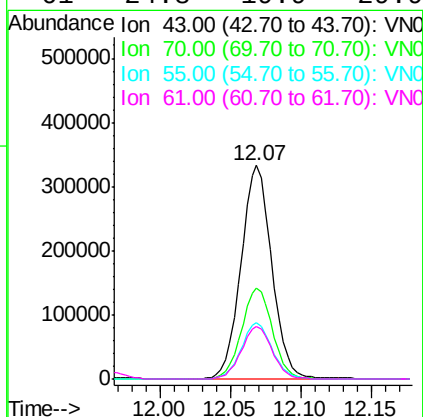
Ion Ratio Lower Upper

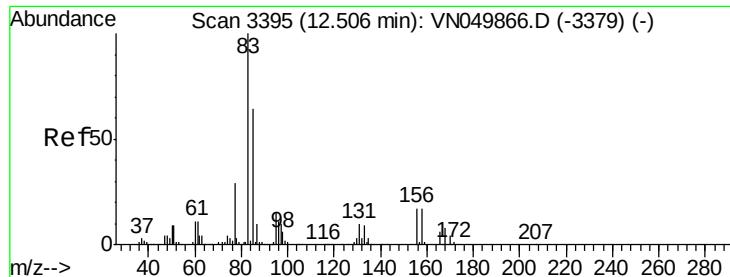
43 100

70 43.0 34.8 52.2

55 26.6 20.9 31.3

61 24.8 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 42.29 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 450581
Ion Ratio Lower Upper

83 100

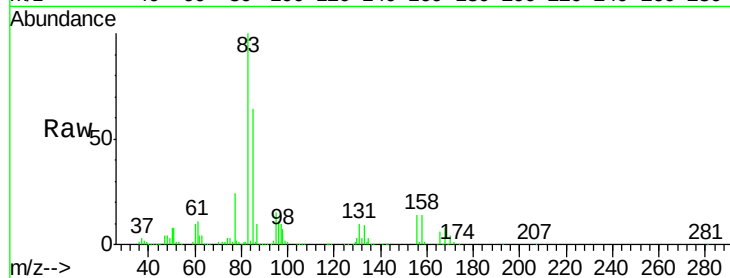
131 10.6 5.2 15.6

85 65.0 32.5 97.4

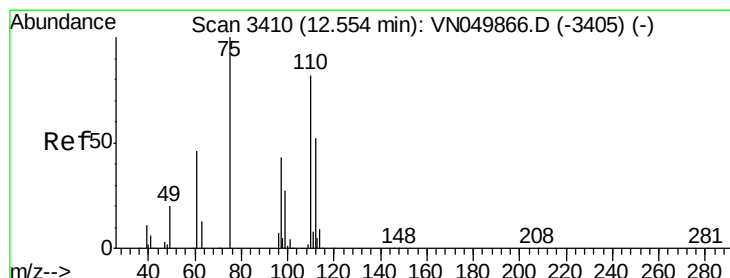
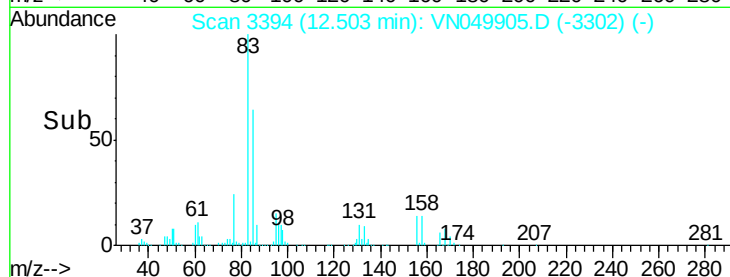
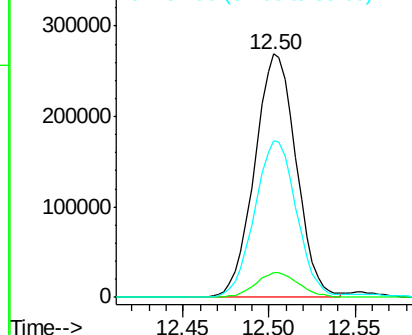
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Abundance Ion 82.90 (82.60 to 83.60): VN049866.D (-3379) (-)
Ion 130.80 (130.50 to 131.50): VN049866.D (-3379) (-)
Ion 84.90 (84.60 to 85.60): VN049866.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 41.27 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

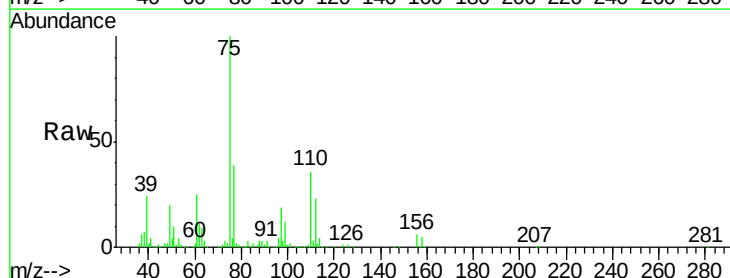
Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

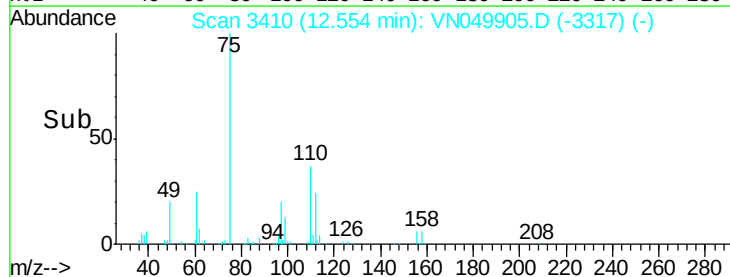
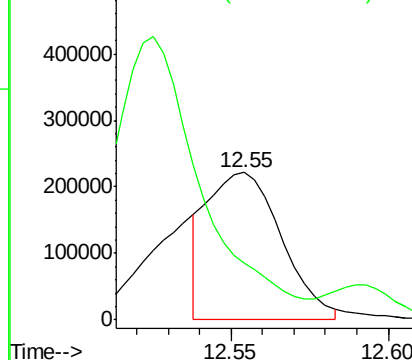
Tgt Ion: 75 Resp: 362439
Ion Ratio Lower Upper

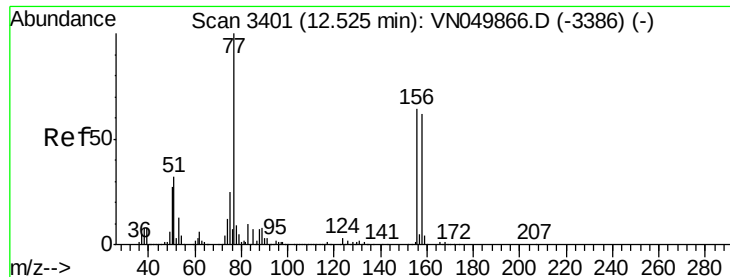
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049866.D (-3405) (-)
Ion 77.00 (76.70 to 77.70): VN049866.D (-3405) (-)





#77

Bromobenzene

Concen: 47.76 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 469001

Ion Ratio Lower Upper

156 100

77 180.6 90.2 270.6

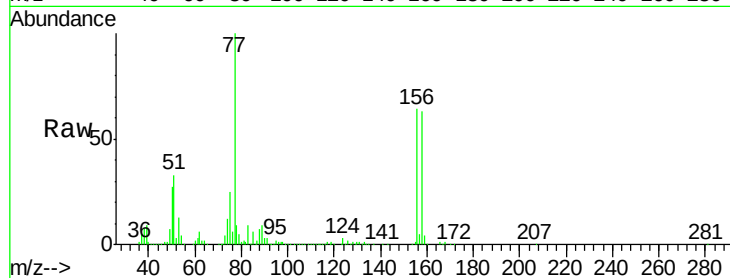
158 97.4 49.1 147.3

Manual Integrations

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MMDadoda

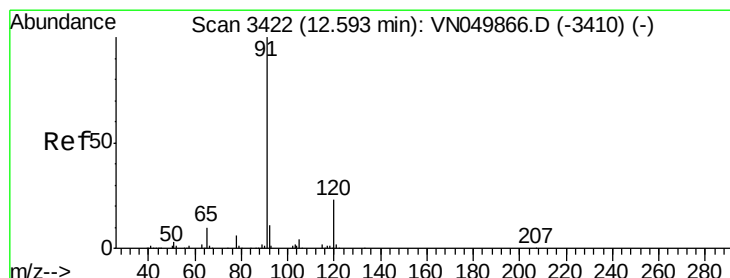
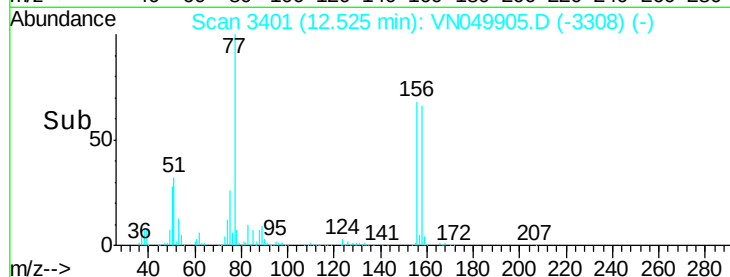
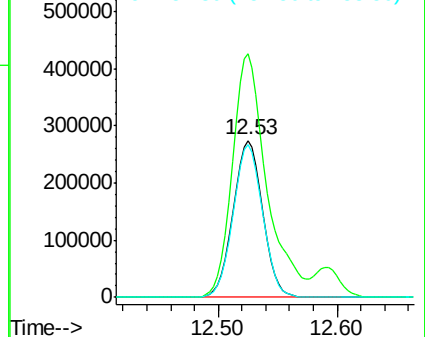
7/20/2018 11:08:01 AM



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: 52.96 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN049905.D

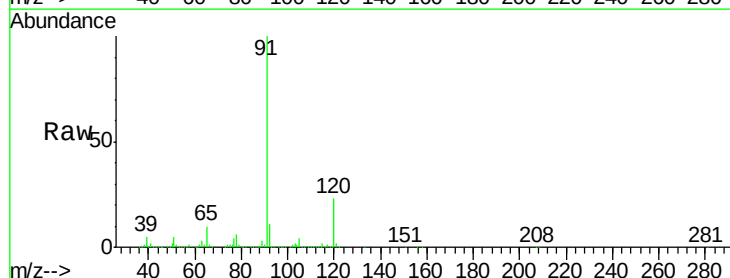
Acq: 19 Jul 2018 9:42

Tgt Ion: 91 Resp: 2141385

Ion Ratio Lower Upper

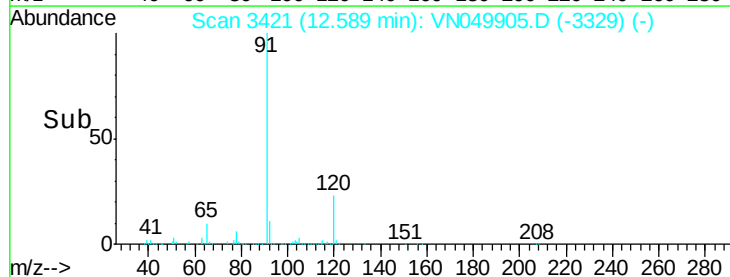
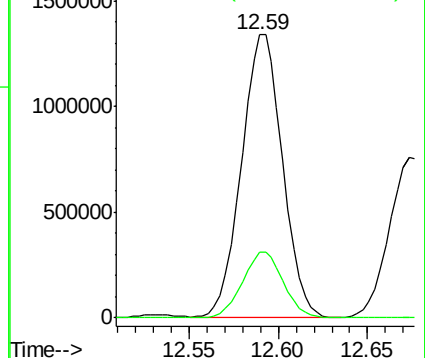
91 100

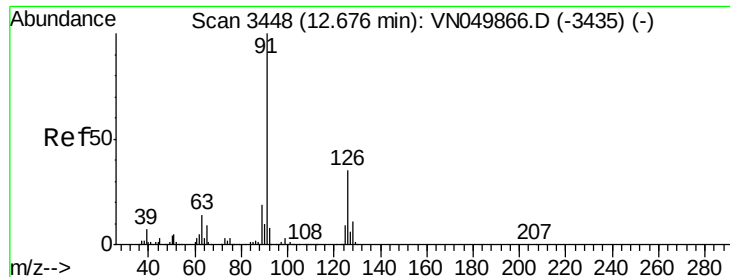
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.67 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1257843

Ion Ratio Lower Upper

91 100

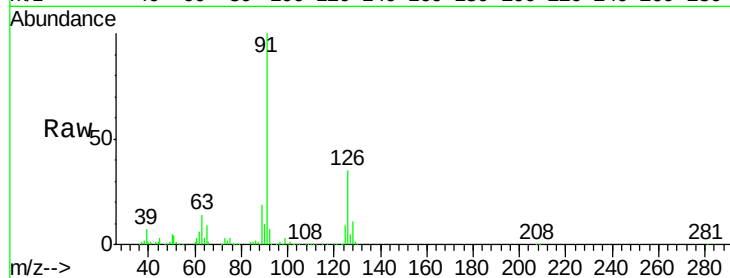
126 35.1 17.5 52.5

Manual Integrations

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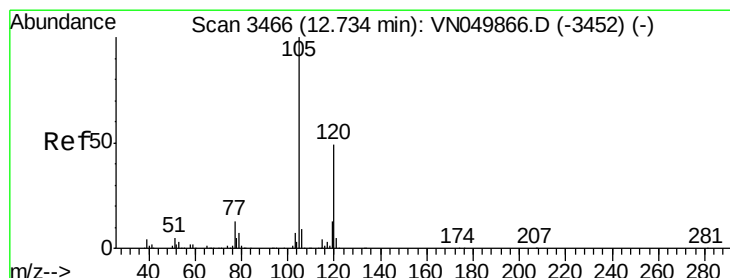
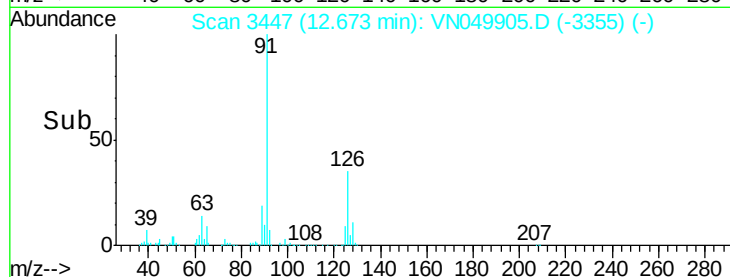
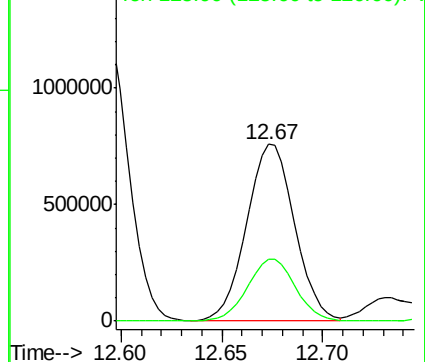
MMDadoda

7/20/2018 11:08:01 AM



Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049866.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.13 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN049905.D

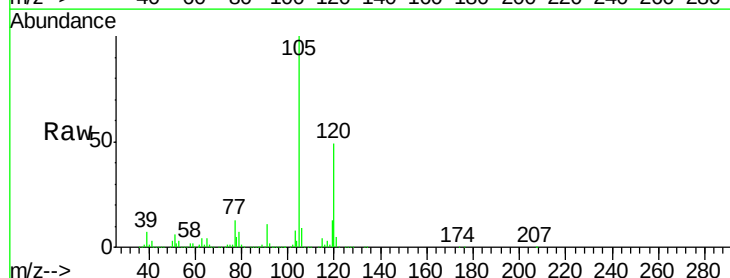
Acq: 19 Jul 2018 9:42

Tgt Ion: 105 Resp: 1514584

Ion Ratio Lower Upper

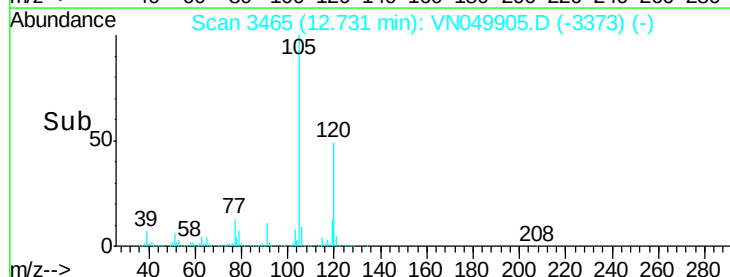
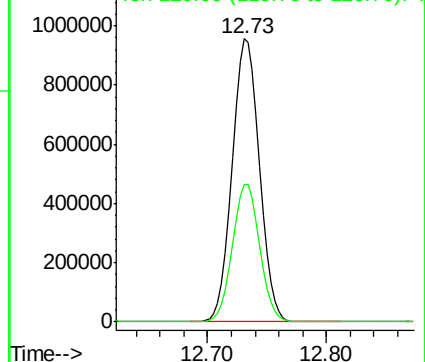
105 100

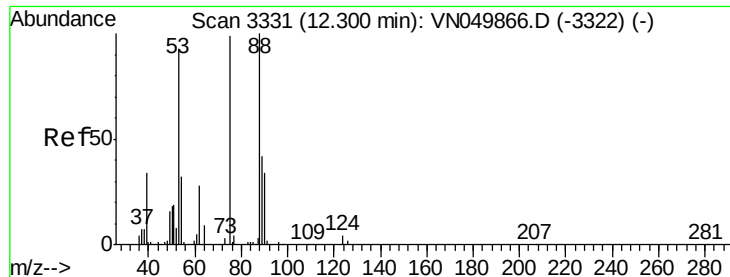
120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049866.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN049866.D (-3452) (-)





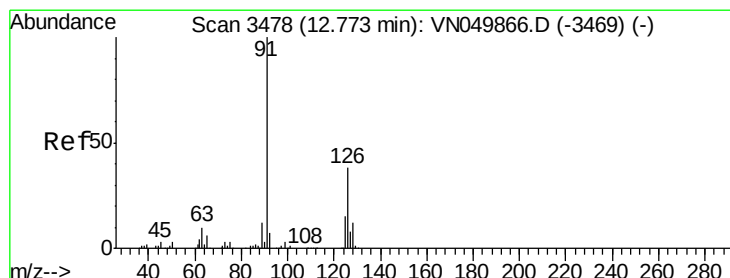
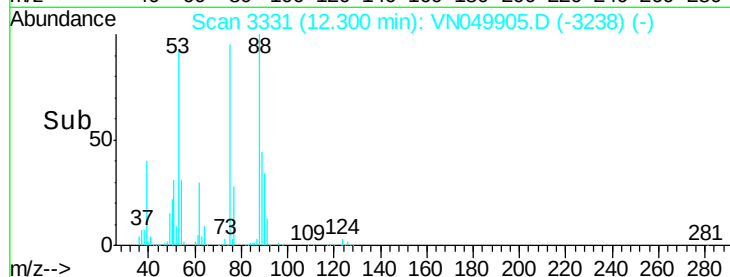
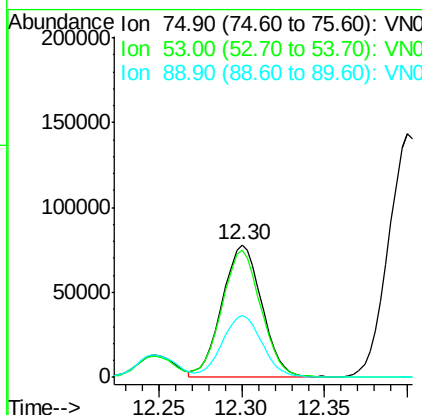
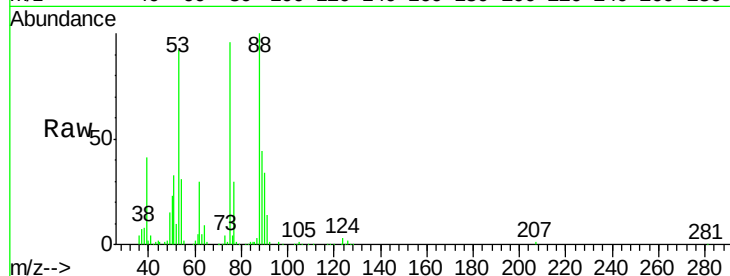
#81
trans-1,4-Dichloro-2-butene
Concen: 46.50 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.8	73.9	110.9
89	46.6	35.9	53.9

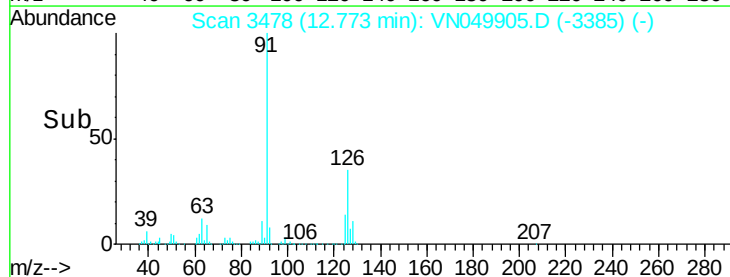
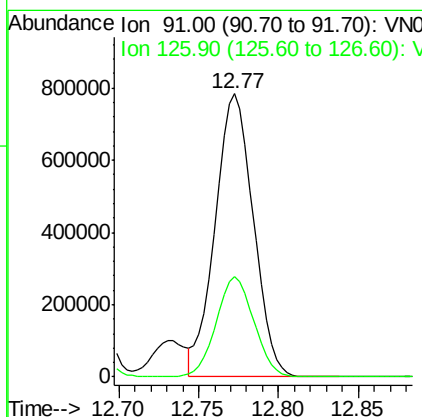
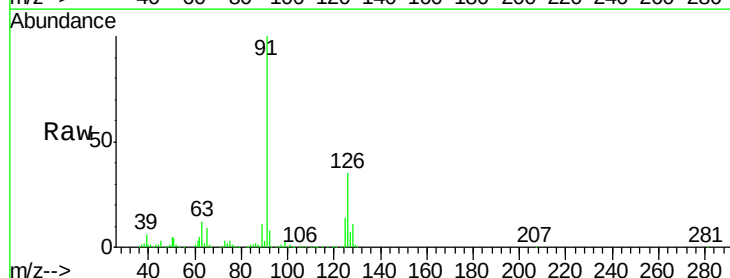
Manual Integrations
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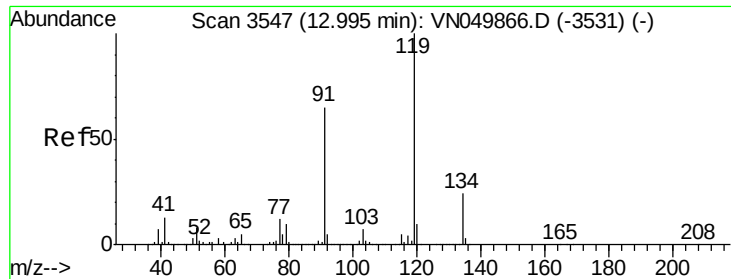
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.58 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.2	51.6





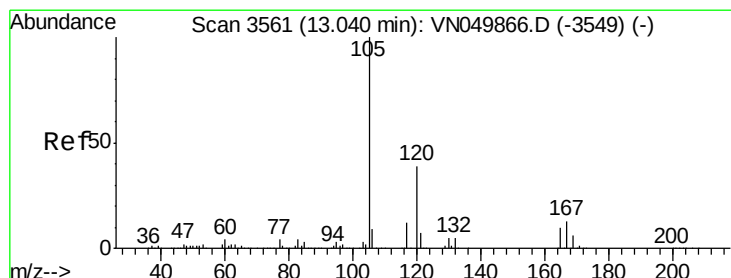
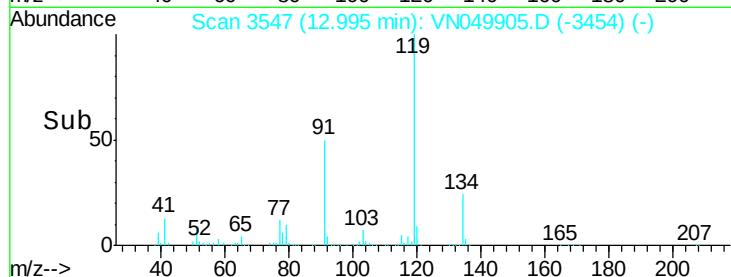
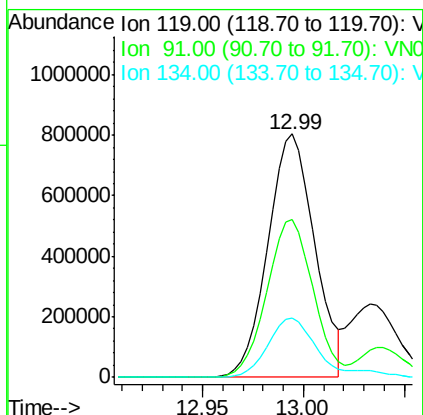
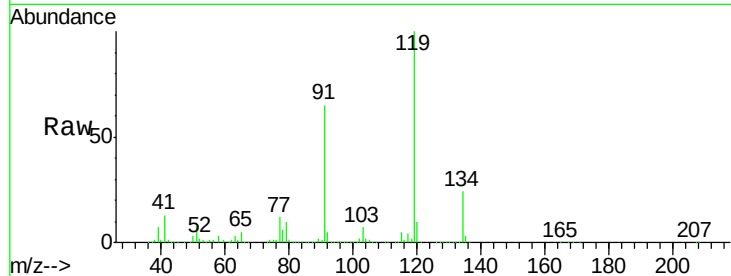
#83
 tert-Butylbenzene
 Concen: 51.58 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:119 Resp: 1291219
 Ion Ratio Lower Upper
 119 100
 91 64.2 32.0 96.2
 134 26.8 12.8 38.4

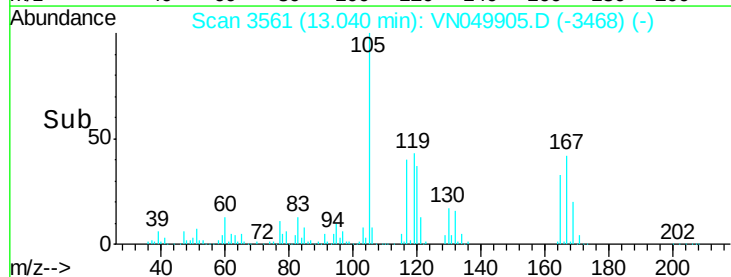
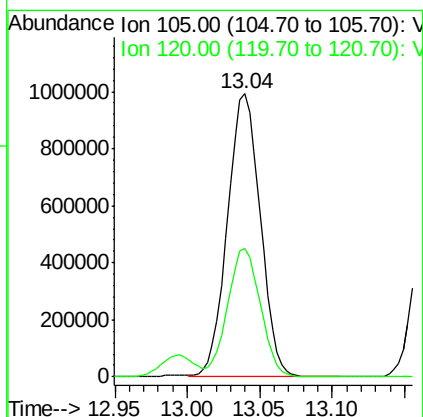
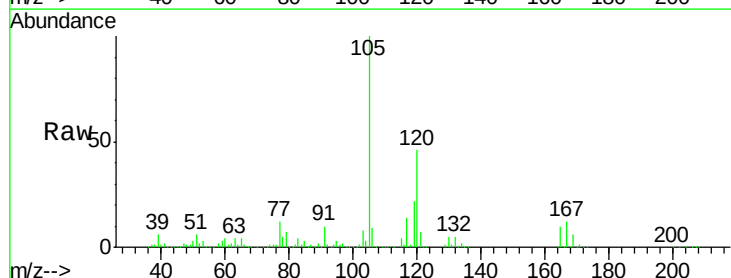
Manual Integrations
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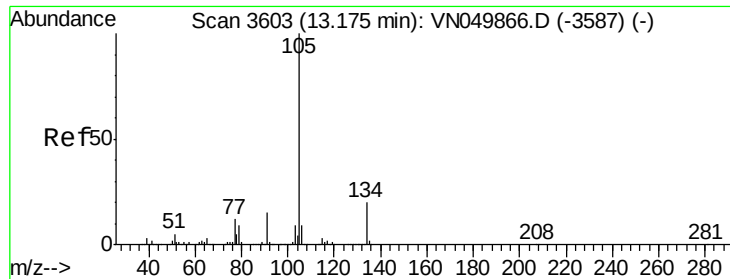
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 7/20/2018 11:08:01 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.00 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion:105 Resp: 1559188
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.7 68.1





#85

sec-Butylbenzene

Concen: 54.20 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1793027

Ion Ratio Lower Upper

105 100

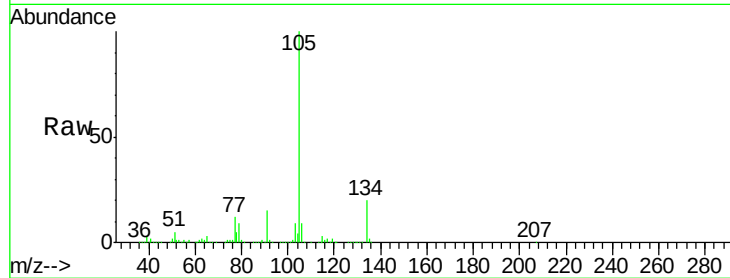
134 20.1 10.1 30.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

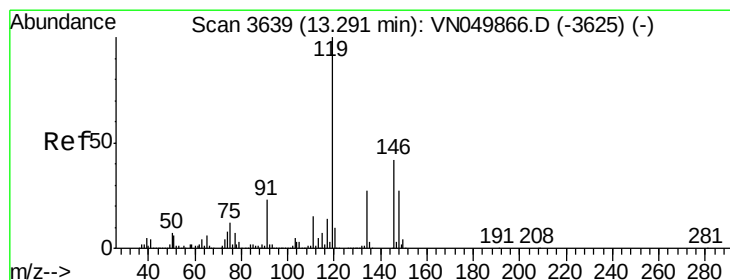
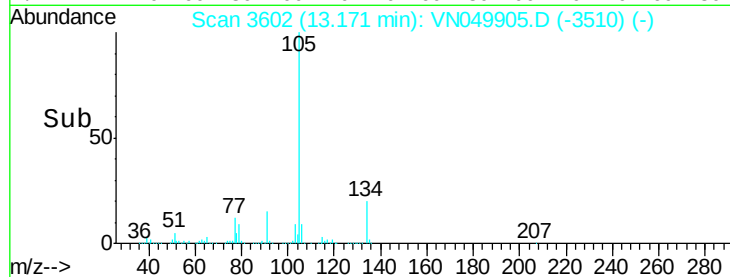
13.17

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 55.13 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

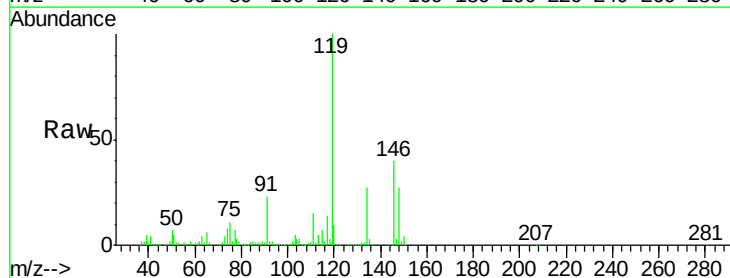
Tgt Ion:119 Resp: 1554657

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 22.9 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

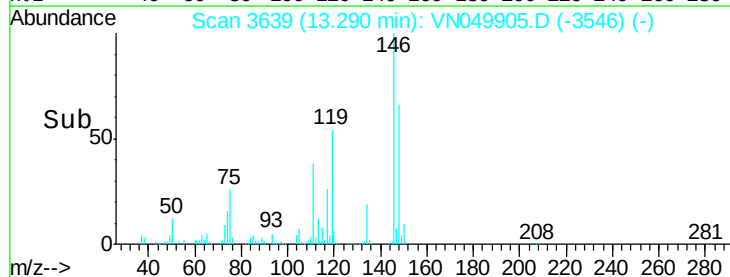
13.29

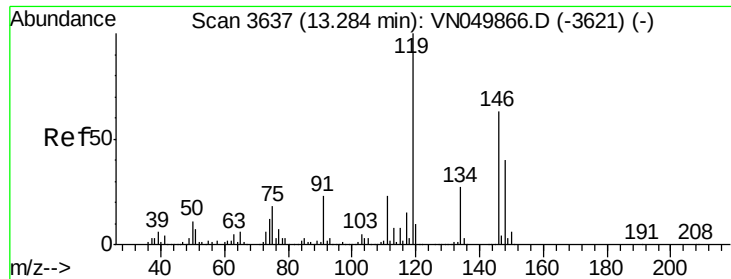
1000000

500000

0

Time-->





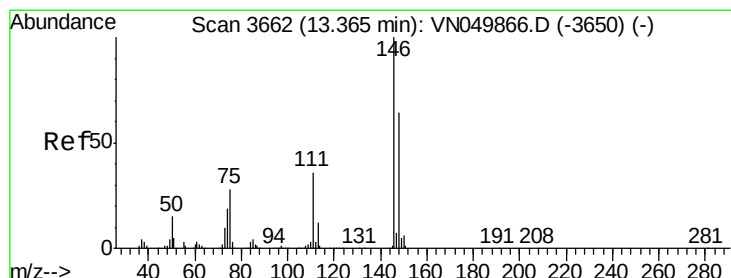
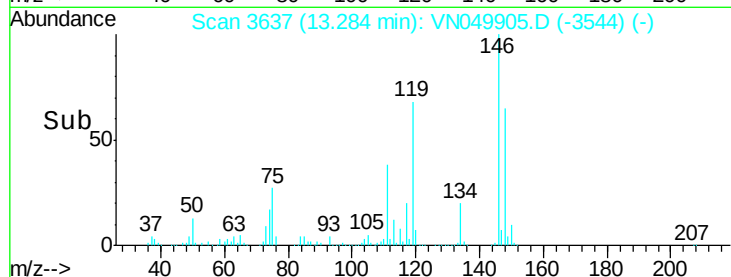
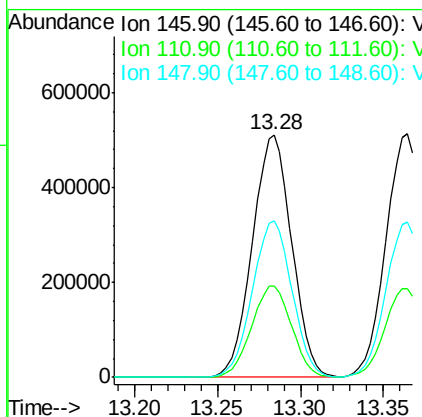
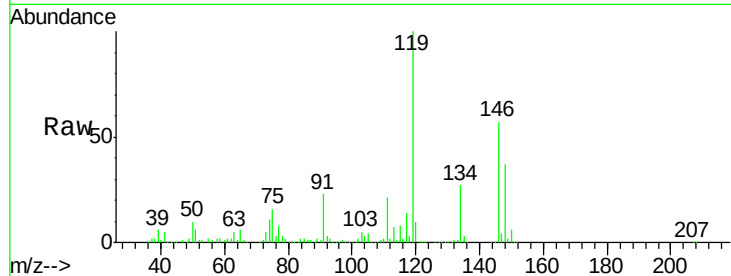
#87
 1,3-Dichlorobenzene
 Concen: 49.32 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.0	57.0
148	64.7	32.5	97.5

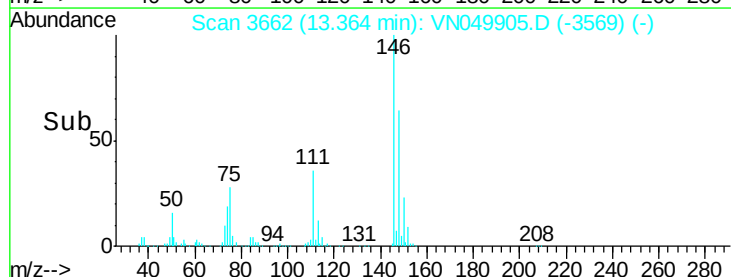
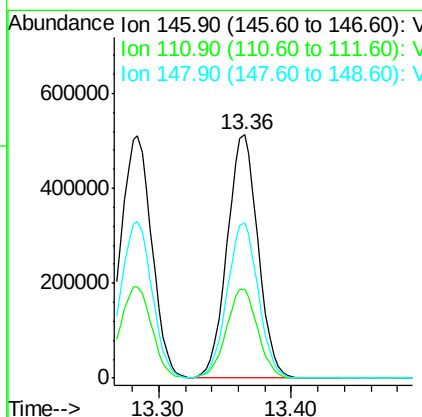
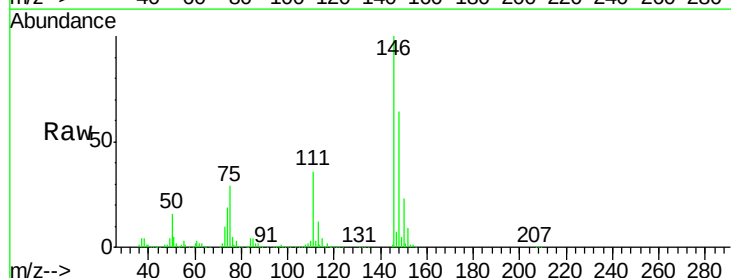
Manual Integrations
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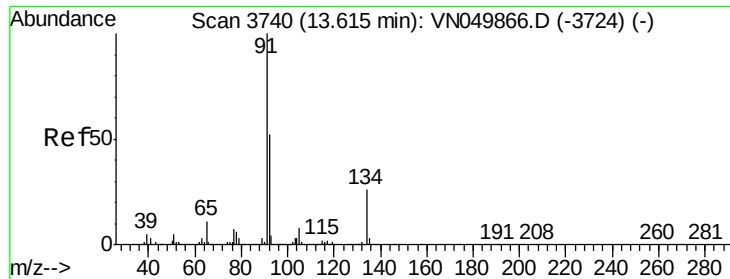
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#88
 1,4-Dichlorobenzene
 Concen: 48.13 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.5
148	64.3	32.1	96.3





#89

n-Butylbenzene

Concen: 56.56 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1317018

Ion Ratio Lower Upper

91 100

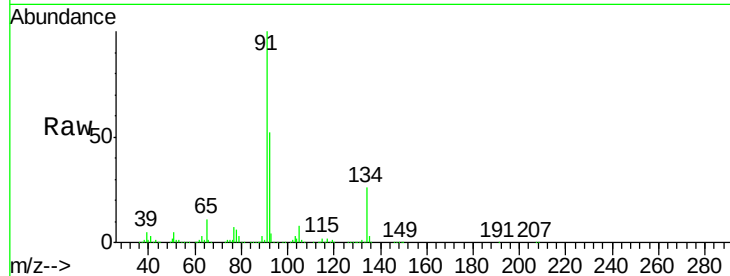
92 51.6 25.8 77.3

134 26.1 13.0 38.9

Manual Integrations
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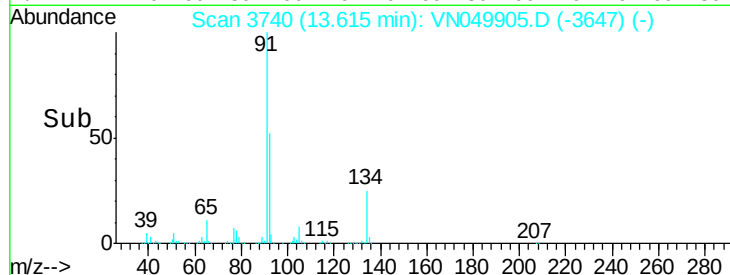


Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3724) (-)

Ion 92.00 (91.70 to 92.70): VN049866.D (-3724) (-)

Ion 134.00 (133.70 to 134.70): VN049866.D (-3724) (-)

Time-->



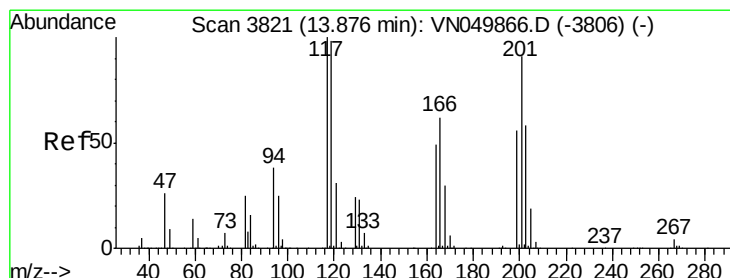
Abundance

Ion 91.00 (90.70 to 91.70): VN049905.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN049905.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN049905.D (-3647) (-)

Time-->



#90

Hexachloroethane

Concen: 45.59 ug/l

RT: 13.87 min Scan# 3820

Delta R.T. -0.00 min

Lab File: VN049905.D

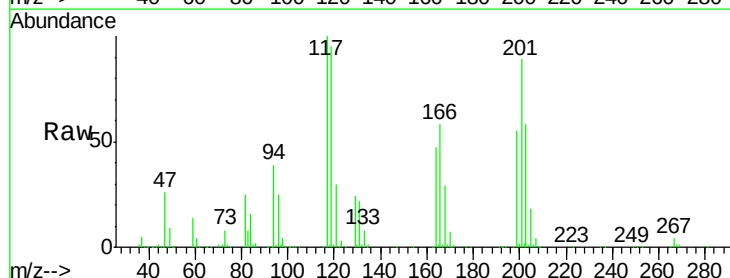
Acq: 19 Jul 2018 9:42

Tgt Ion: 117 Resp: 288568

Ion Ratio Lower Upper

117 100

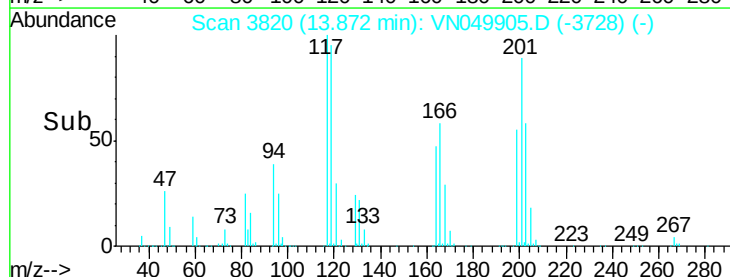
201 90.7 45.3 135.8



Abundance Ion 116.80 (116.50 to 117.50): VN049866.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN049866.D (-3806) (-)

Time-->

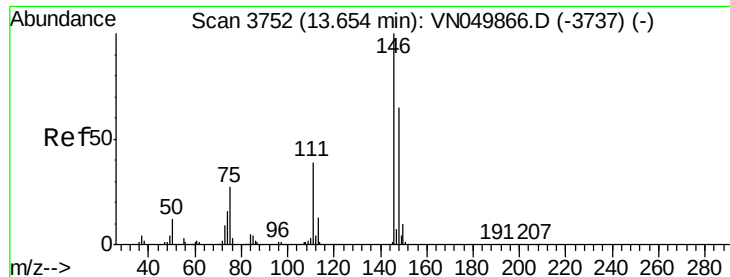


Abundance

Ion 116.80 (116.50 to 117.50): VN049905.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN049905.D (-3728) (-)

Time-->



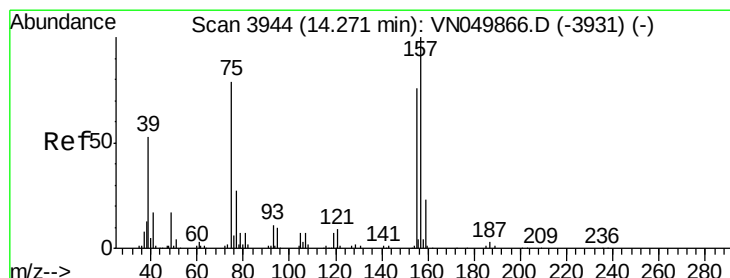
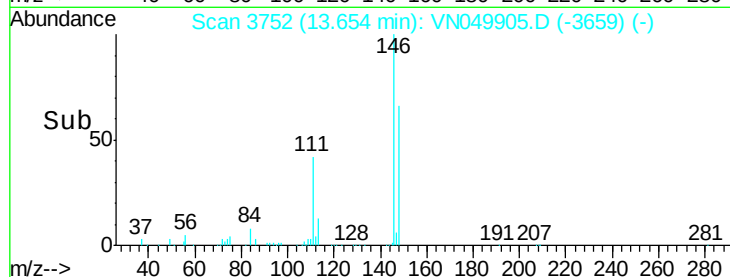
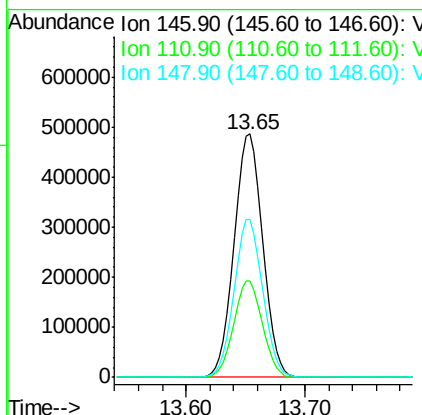
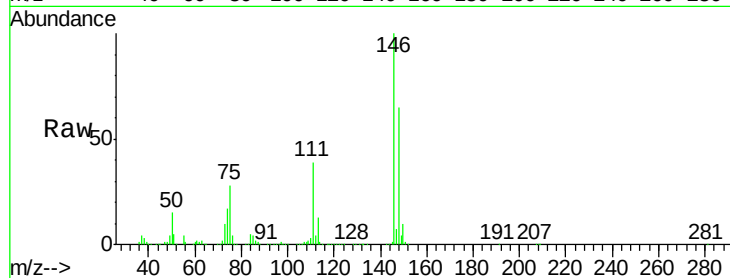
#91
 1,2-Dichlorobenzene
 Concen: 48.39 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	64.4	32.0	96.2

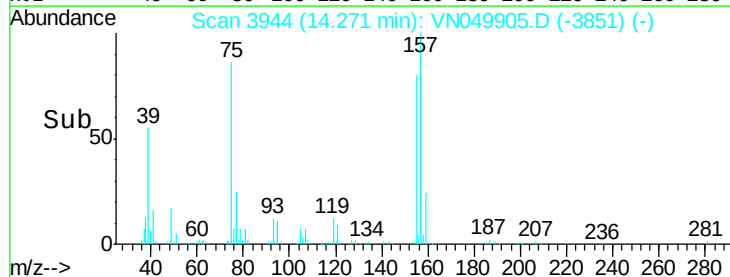
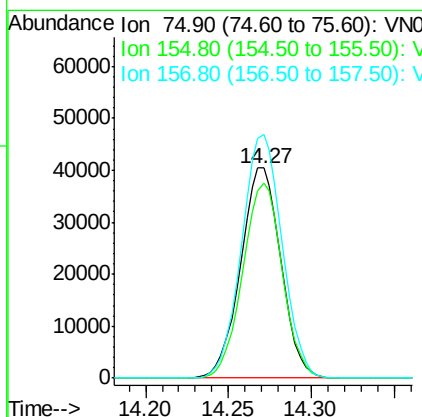
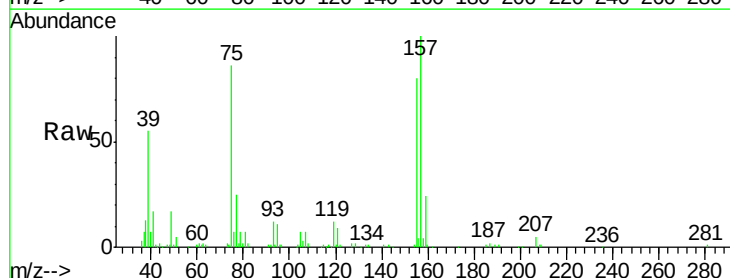
Manual Integrations
 APPROVED

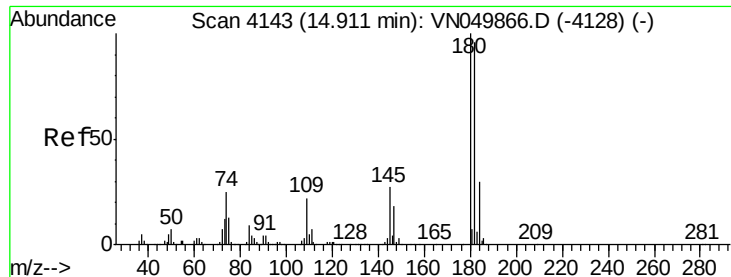
MMDadoda
 7/20/2018 11:08:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.62 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	45.7	137.1
157	116.4	56.9	170.7





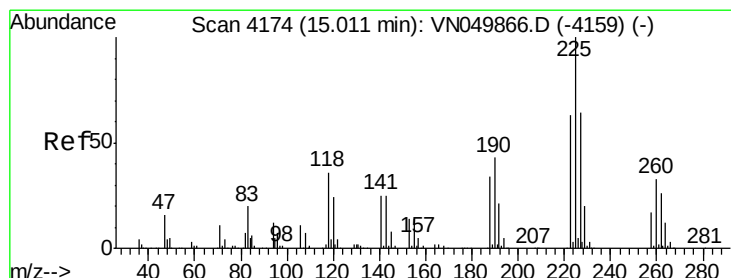
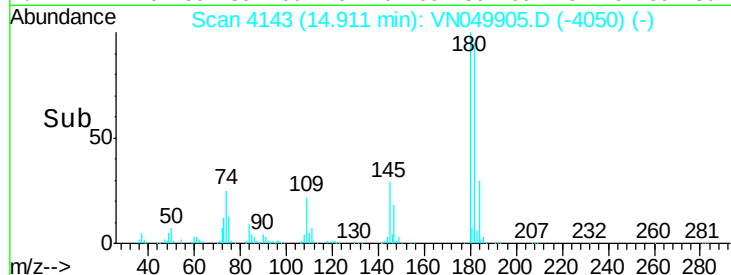
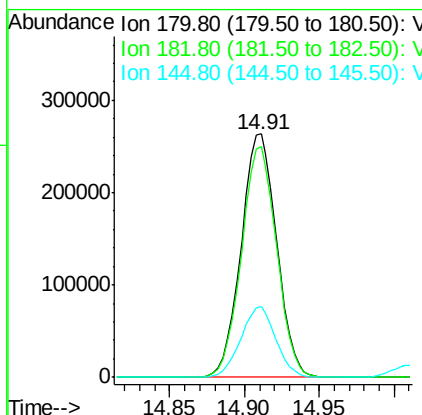
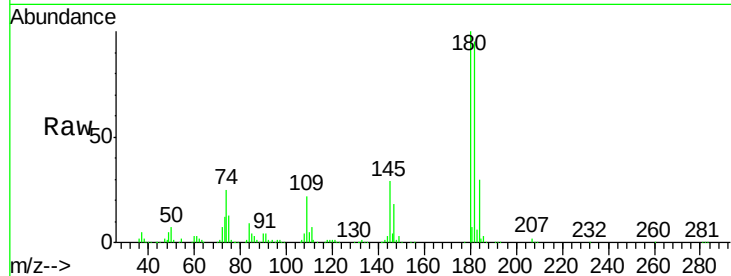
#93
 1,2,4-Trichlorobenzene
 Concen: 47.02 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	434118		
182	94.0	47.3	141.9	
145	28.6	14.4	43.0	

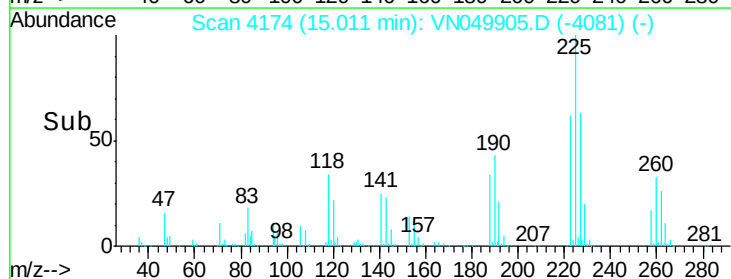
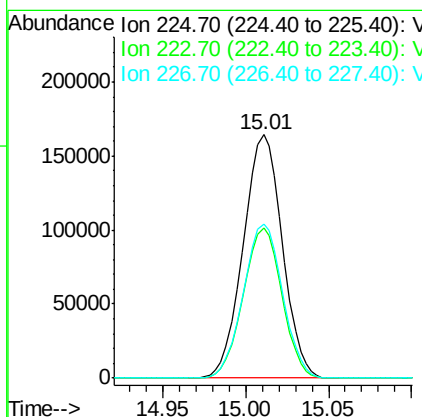
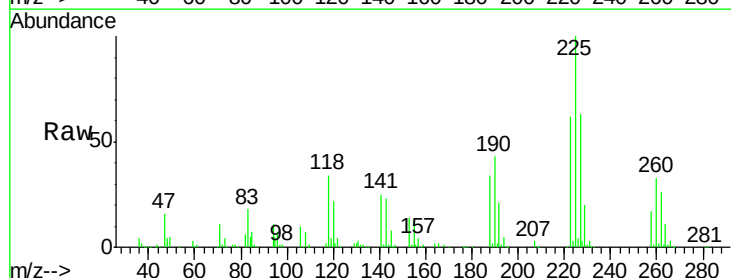
Manual Integrations
 APPROVED

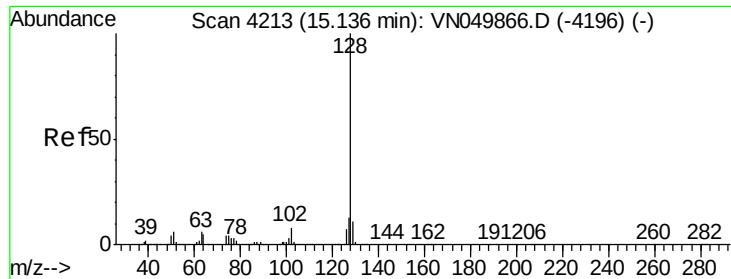
MMDadoda
 7/20/2018 11:08:01 AM



#94
 Hexachlorobutadiene
 Concen: 48.83 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	269224		
223	61.0	30.9	92.7	
227	63.7	31.8	95.4	





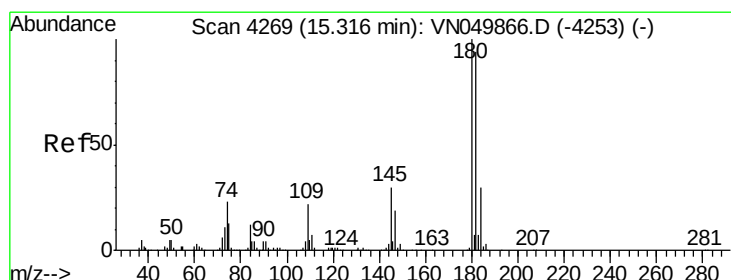
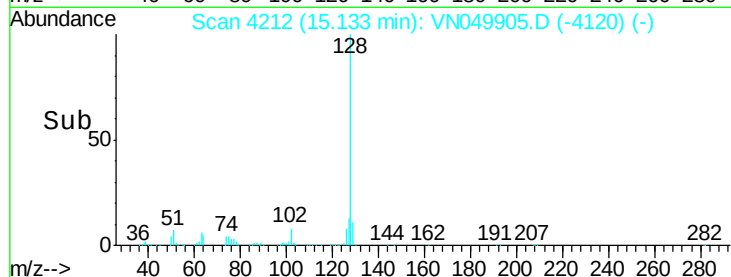
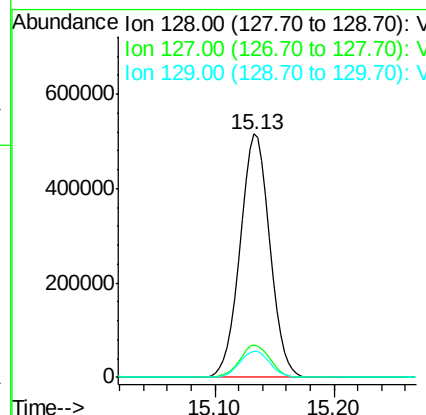
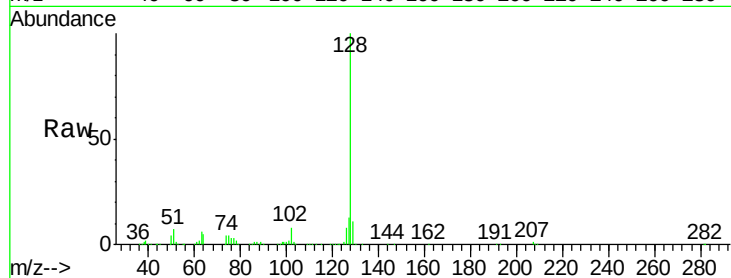
#95
Naphthalene
Concen: 41.08 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/20/2018 11:08:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.12 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.2
145	31.0	15.2	45.6

