

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049608.D
 Acq On : 28 Jun 2018 23:34
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 1:46:47 PM

Quant Time: Jun 29 04:38:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1432409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2178913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1982896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1099271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	908282	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	7.59	113	805608	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	
50) Toluene-d8	10.09	98	3148379	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
62) 4-Bromofluorobenzene	12.40	95	1087793	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	811256	49.21	ug/l	100
3) Chloromethane	2.06	50	956839	44.94	ug/l	98
4) Vinyl Chloride	2.18	62	1040730	46.00	ug/l	100
5) Bromomethane	2.56	94	493562	41.50	ug/l	97
6) Chloroethane	2.70	64	647925	48.03	ug/l	99
7) Trichlorofluoromethane	3.02	101	1113593	39.45	ug/l	99
8) Diethyl Ether	3.41	74	460312	46.71	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	806835	45.07	ug/l	92
10) Methyl Iodide	3.95	142	1012439	54.32	ug/l	92
11) Tert butyl alcohol	4.79	59	240408	215.60	ug/l	99
12) 1,1-Dichloroethene	3.73	96	771567	46.98	ug/l	91
13) Acrolein	3.61	56	267276	228.57	ug/l	100
14) Allyl chloride	4.32	41	973076	37.52	ug/l	88
15) Acrylonitrile	4.99	53	1309414	234.84	ug/l	99
16) Acetone	3.82	43	954779	206.98	ug/l	93
17) Carbon Disulfide	4.05	76	2240536	43.52	ug/l	99
18) Methyl Acetate	4.33	43	881302	62.66	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	2048480	48.92	ug/l	99
20) Methylene Chloride	4.55	84	877861	45.57	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	803872	46.23	ug/l	91
22) Diisopropyl ether	5.95	45	2550650	49.25	ug/l	97
23) Vinyl Acetate	5.90	43	8460291	250.60	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1531777	46.21	ug/l	99
25) 2-Butanone	6.84	43	1413575	228.22	ug/l	97
26) 2,2-Dichloropropane	6.82	77	1049089	39.19	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	926091	47.91	ug/l	90
28) Bromochloromethane	7.19	49	693772	47.21	ug/l #	83
29) Tetrahydrofuran	7.21	42	955340	239.60	ug/l	93
30) Chloroform	7.37	83	1552954	47.08	ug/l	98
31) Cyclohexane	7.65	56	1345459	47.88	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	1338397	47.55	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1173725	47.00	ug/l	97
37) Ethyl Acetate	6.93	43	678690	49.99	ug/l	98
38) Carbon Tetrachloride	7.77	117	1112240	43.02	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1247361	46.53	ug/l	96
40) Benzene	8.04	78	3529588	46.10	ug/l	99
41) Methacrylonitrile	7.18	41	322192	43.90	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1106296	46.77	ug/l	96
43) Isopropyl Acetate	8.17	43	1323025	51.01	ug/l #	86
44) Trichloroethene	8.84	130	1041530	51.52	ug/l	93
45) 1,2-Dichloropropane	9.12	63	927973	46.29	ug/l	99
46) Dibromomethane	9.21	93	545918	46.97	ug/l	91
47) Bromodichloromethane	9.40	83	1172935	45.92	ug/l	96
48) Methyl methacrylate	9.20	41	596680	48.85	ug/l #	86
49) 1,4-Dioxane	9.20	88	158659	941.10	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	3307920	243.32	ug/l	94
52) Toluene	10.16	92	2204622	49.06	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	1120124	45.84	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1323720	45.88	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	778603	46.48	ug/l	98
56) Ethyl methacrylate	10.43	69	991656	51.31	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1304605	47.01	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	2310332	329.56	ug/l	94
59) 2-Hexanone	10.75	43	2171239	247.73	ug/l	92
60) Dibromochloromethane	10.90	129	870350	46.55	ug/l	98
61) 1,2-Dibromoethane	11.01	107	766034	49.20	ug/l	100
64) Tetrachloroethene	10.63	164	1234871	60.78	ug/l	97
65) Chlorobenzene	11.44	112	2389221	46.77	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	875113	45.52	ug/l	98
67) Ethyl Benzene	11.51	91	4151175	48.99	ug/l	98
68) m/p-Xylenes	11.62	106	3262406	102.60	ug/l	96
69) o-Xylene	11.95	106	1571471	51.31	ug/l	95
70) Styrene	11.97	104	2594576	53.70	ug/l	97
71) Bromoform	12.13	173	578873	46.52	ug/l #	100
73) Isopropylbenzene	12.25	105	4104418	42.52	ug/l	98
74) N-amyl acetate	12.07	43	1122494	47.48	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	873482	43.71	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	796034m	42.44	ug/l	
77) Bromobenzene	12.53	156	1059013	41.54	ug/l	89
78) n-propylbenzene	12.59	91	4830080	45.58	ug/l	99
79) 2-Chlorotoluene	12.68	91	2883523	42.94	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3542732	46.70	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	223833	37.72	ug/l	93
82) 4-Chlorotoluene	12.77	91	2923285	45.13	ug/l	96
83) tert-Butylbenzene	12.99	119	2920116	43.45	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3666533	48.65	ug/l	99
85) sec-Butylbenzene	13.17	105	3977320	44.46	ug/l	98
86) p-Isopropyltoluene	13.29	119	3532869	47.27	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	1938091	46.21	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1878554	45.19	ug/l	99
89) n-Butylbenzene	13.62	91	2895428	49.60	ug/l	97
90) Hexachloroethane	13.88	117	316612	21.41	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	1865359	45.35	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	134163	39.93	ug/l	83

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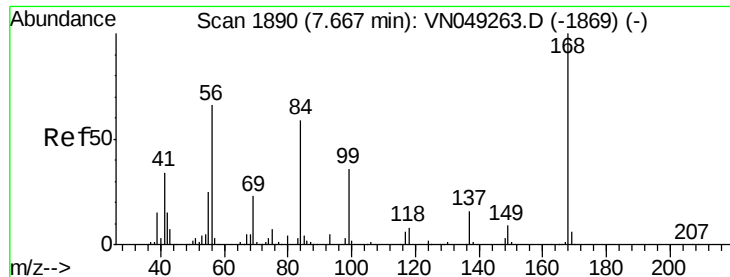
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	848985	45.50	ug/l	99
94) Hexachlorobutadiene	15.01	225	538567	44.46	ug/l	98
95) Naphthalene	15.14	128	1786201	52.88	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	811548	44.45	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1432409

Ion Ratio Lower Upper

168 100

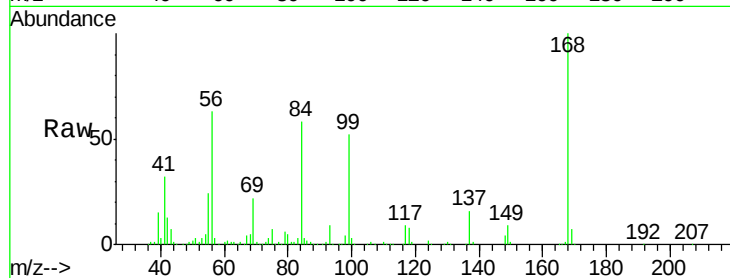
99 51.3 45.8 68.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

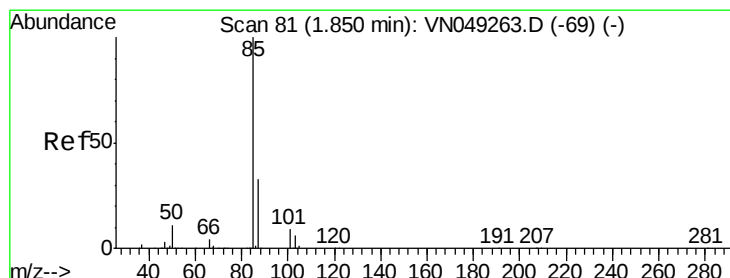
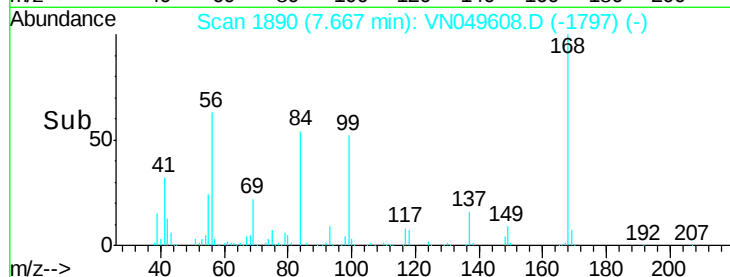
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 49.21 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049608.D

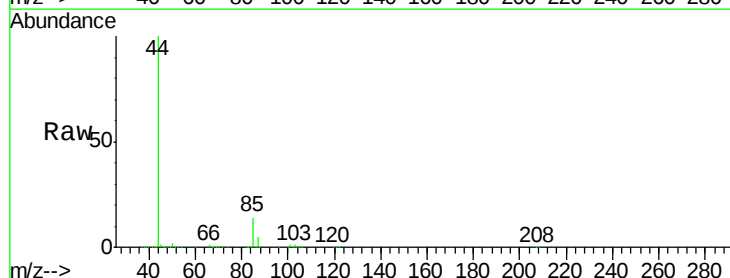
Acq: 28 Jun 2018 23:34

Tgt Ion: 85 Resp: 811256

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

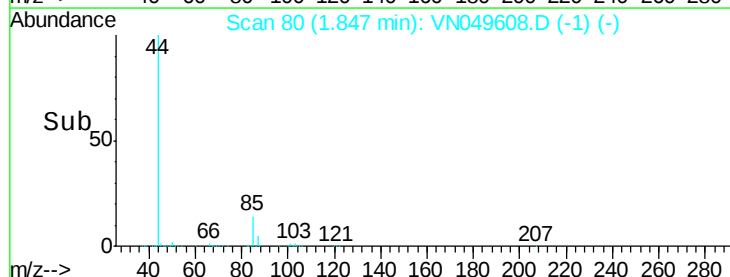
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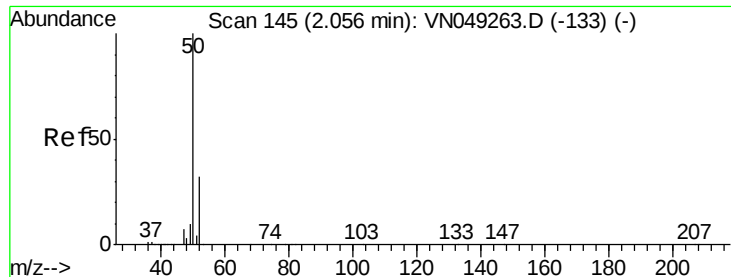
400000

200000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 44.94 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 956839

Ion Ratio Lower Upper

50 100

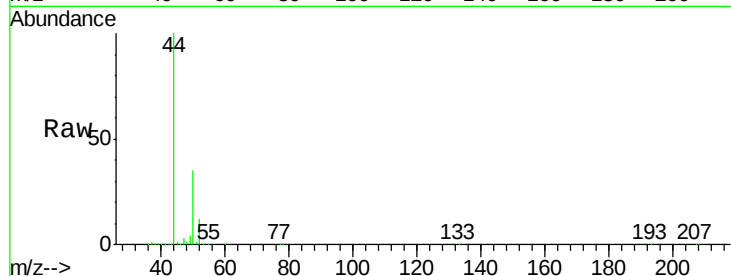
52 32.7 25.2 37.8

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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

800000

600000

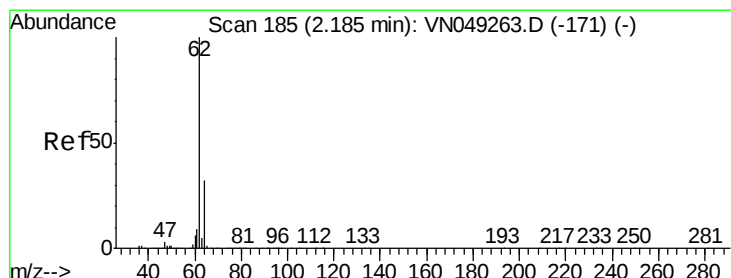
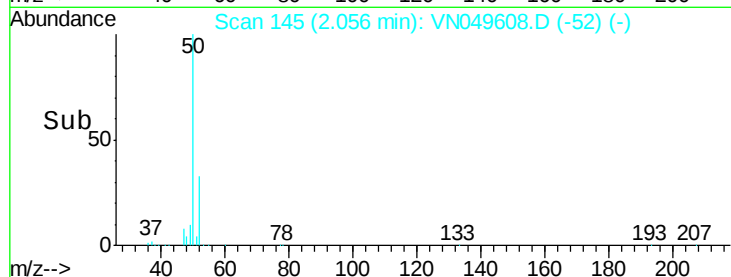
400000

200000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 46.00 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049608.D

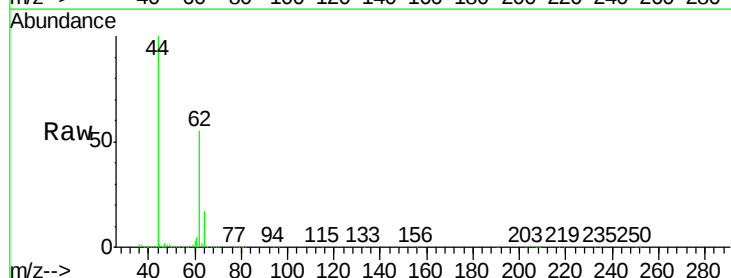
Acq: 28 Jun 2018 23:34

Tgt Ion: 62 Resp: 1040730

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

800000

600000

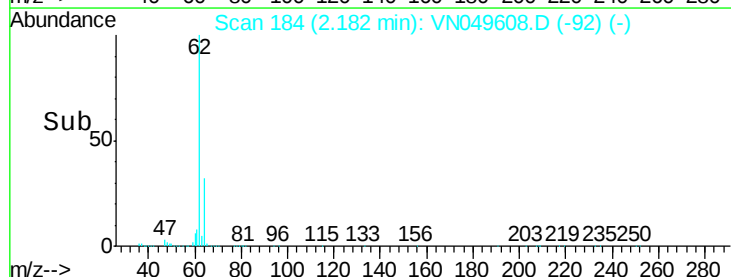
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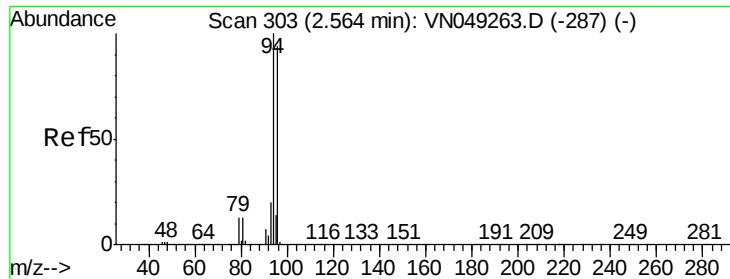
200000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 41.50 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 493562

Ion Ratio Lower Upper

94 100

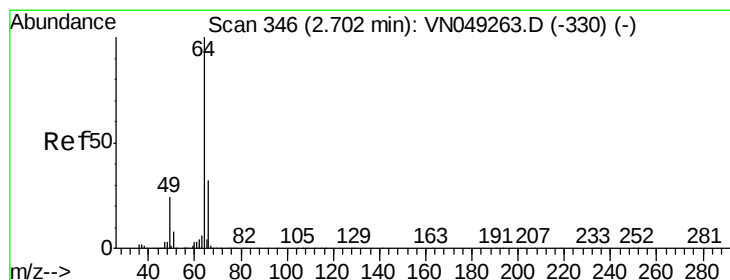
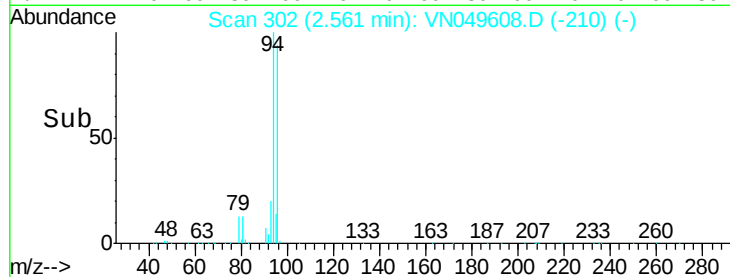
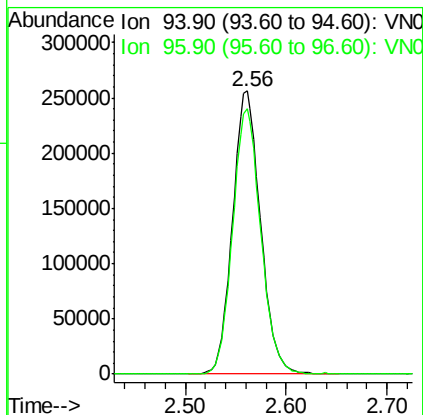
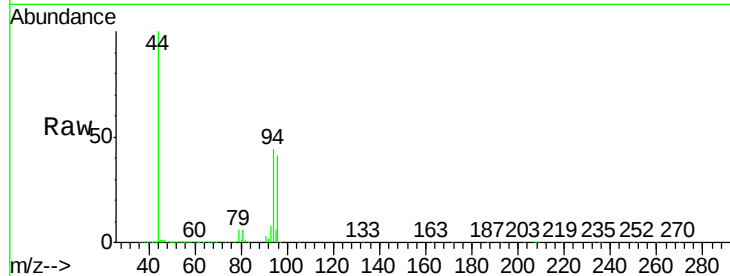
96 93.8 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 48.03 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049608.D

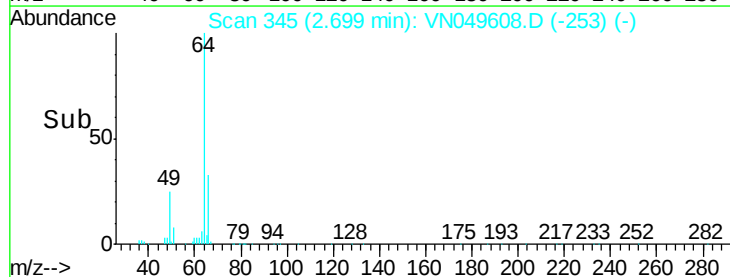
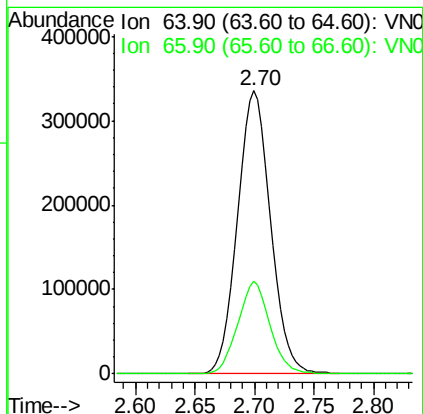
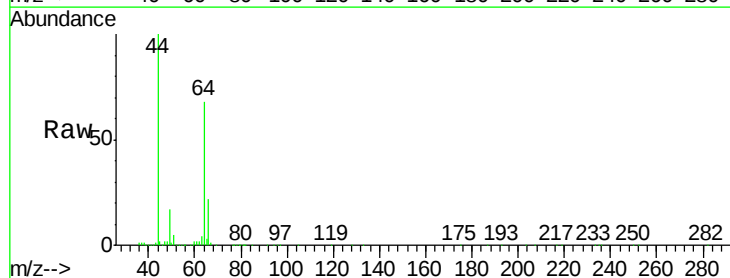
Acq: 28 Jun 2018 23:34

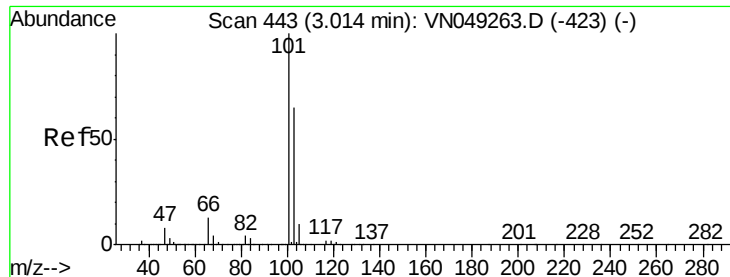
Tgt Ion: 64 Resp: 647925

Ion Ratio Lower Upper

64 100

66 32.6 25.6 38.4





#7

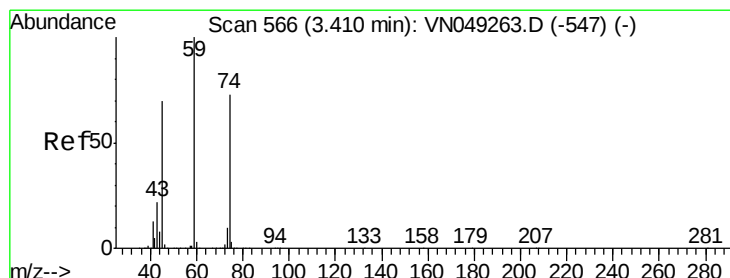
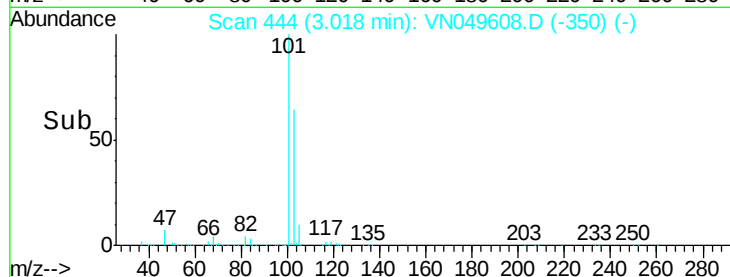
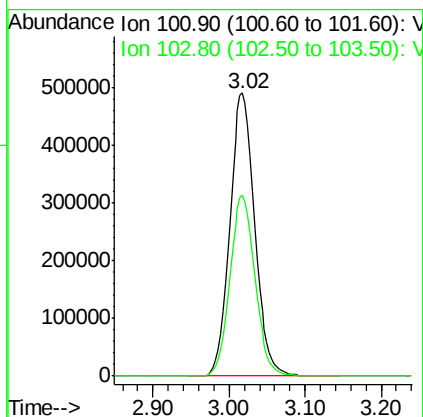
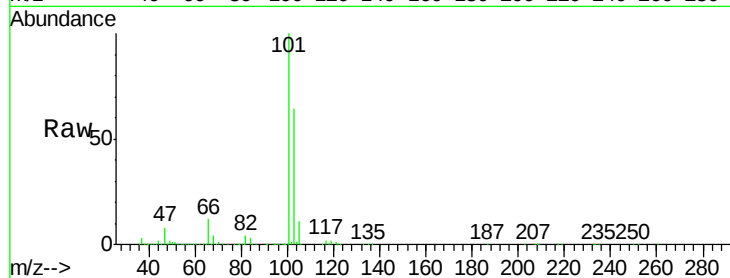
Trichlorofluoromethane
Concen: 39.45 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 1113593
Ion Ratio Lower Upper
101 100
103 63.8 51.7 77.5

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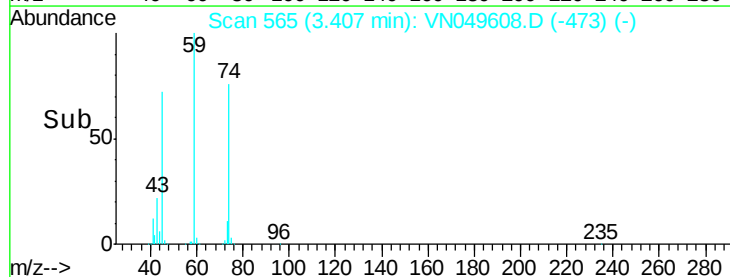
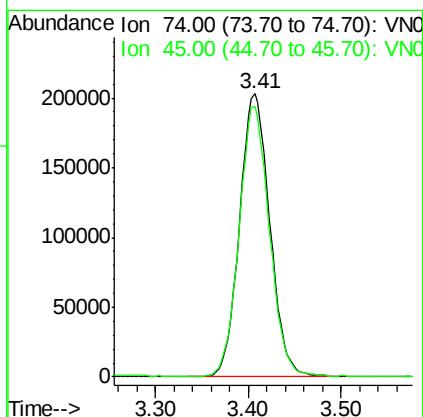
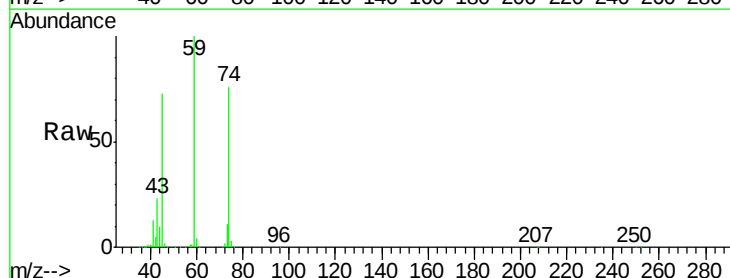
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6/29/2018 1:46:47 PM



#8

Diethyl Ether
Concen: 46.71 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 74 Resp: 460312
Ion Ratio Lower Upper
74 100
45 95.2 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.07 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

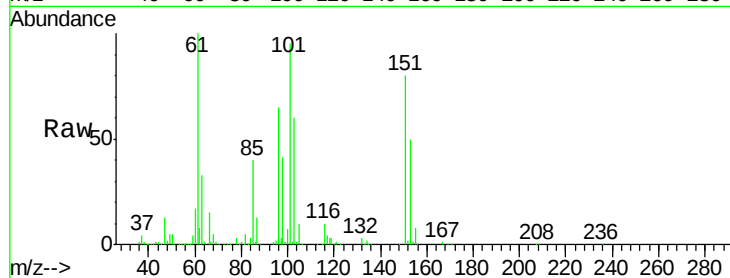
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	806835
Ion Ratio	Lower	Upper	
101	100		
85	42.5	37.6	56.4
151	83.4	61.1	91.7

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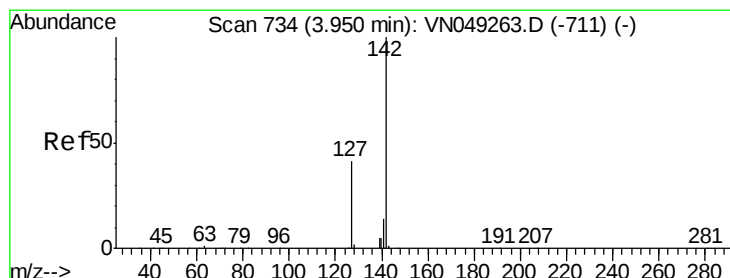
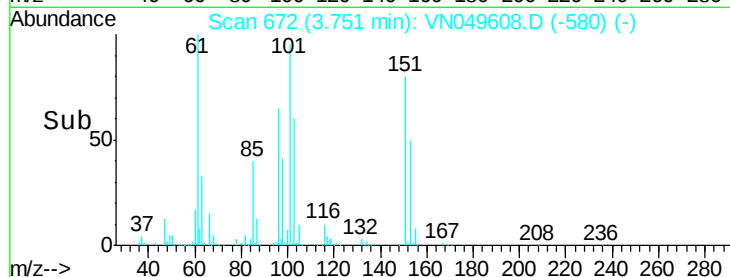
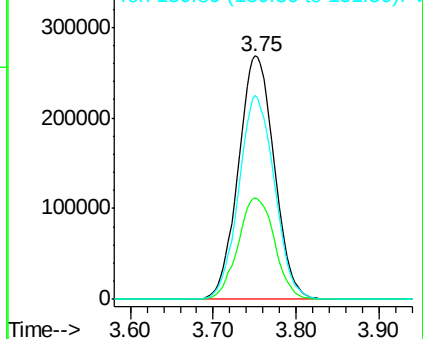
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.32 ug/l

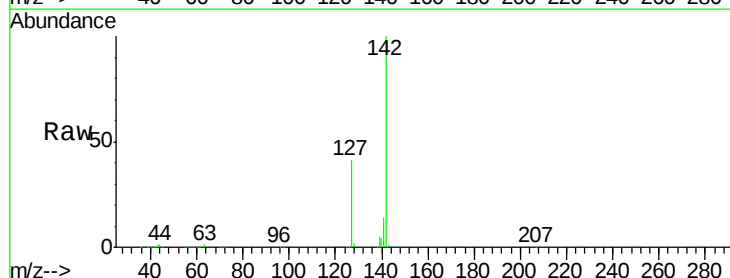
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

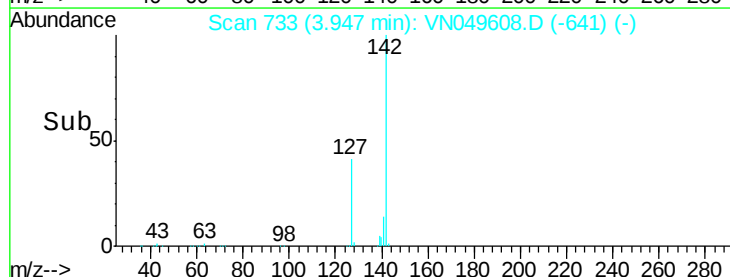
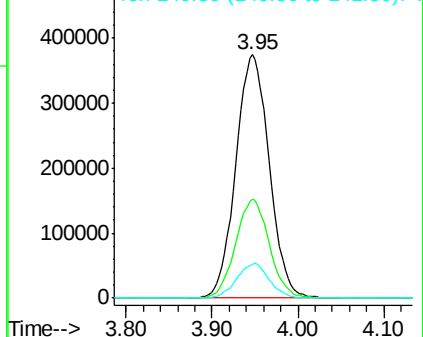
Tgt Ion:	142	Resp:	1012439
Ion Ratio	Lower	Upper	
142	100		
127	40.9	38.2	57.4
141	13.9	11.9	17.9

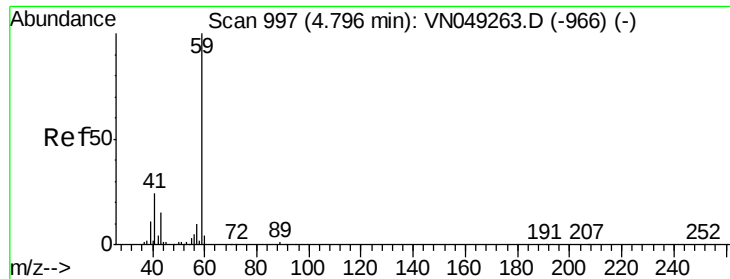


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





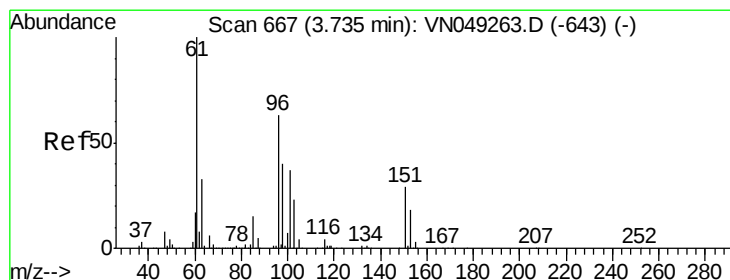
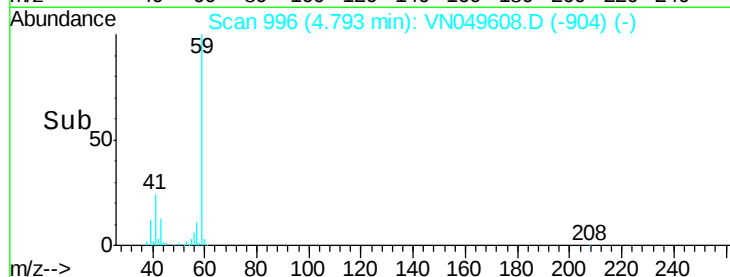
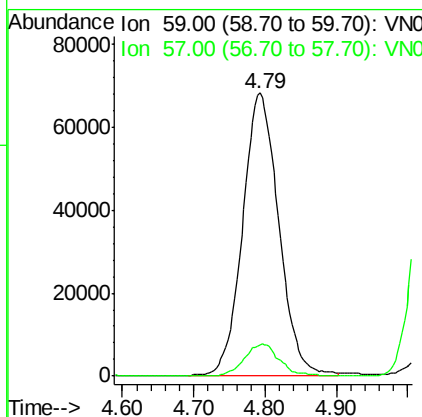
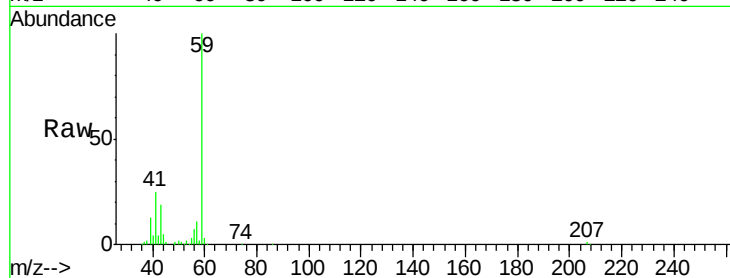
#11
Tert butyl alcohol
Concen: 215.60 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.0	13.6

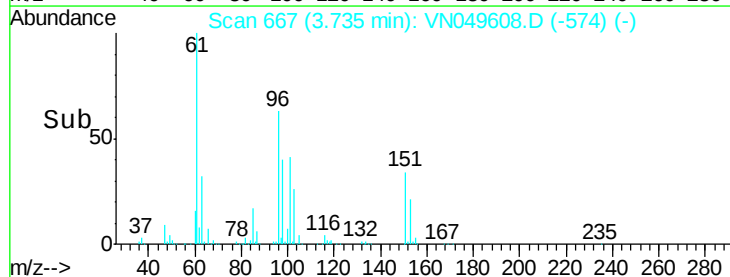
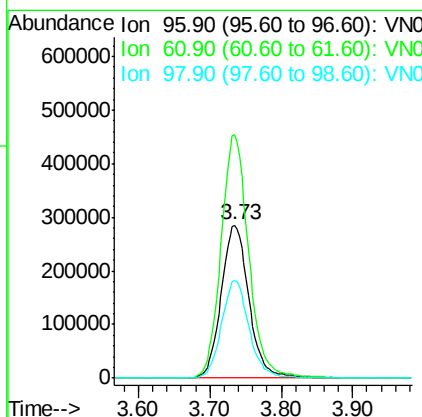
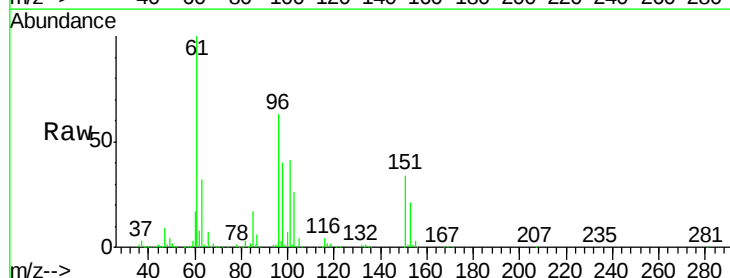
Manual Integrations
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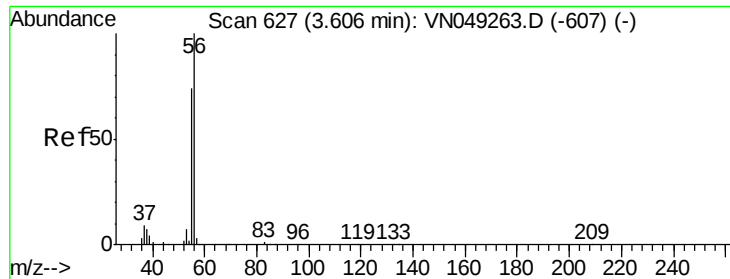
MMDadoda
6/29/2018 1:46:47 PM



#12
1,1-Dichloroethene
Concen: 46.98 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.3	141.0	211.4
98	64.1	50.4	75.6





#13

Acrolein

Concen: 228.57 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 267276

Ion Ratio Lower Upper

56 100

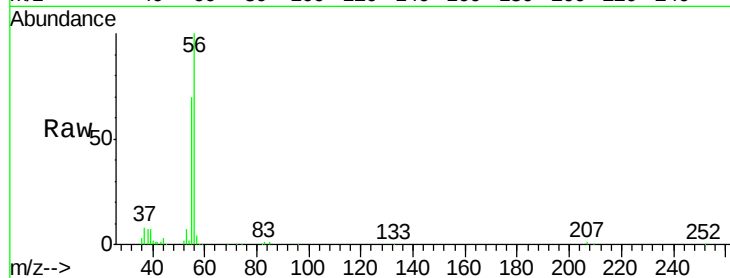
55 71.3 57.1 85.7

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

100000

80000

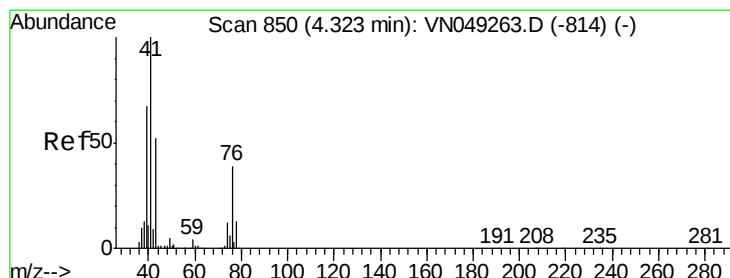
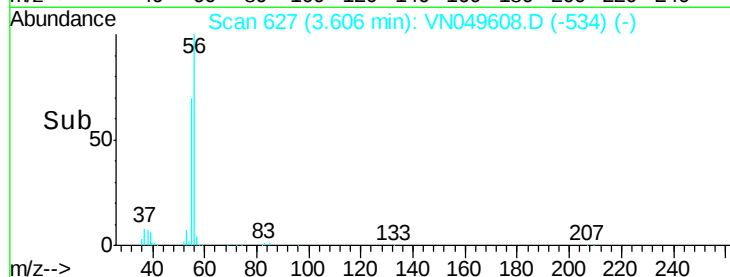
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 37.52 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

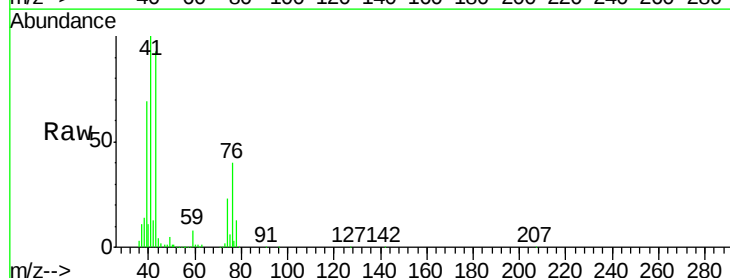
Tgt Ion: 41 Resp: 973076

Ion Ratio Lower Upper

41 100

39 65.1 62.5 93.7

76 36.3 27.1 40.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

400000

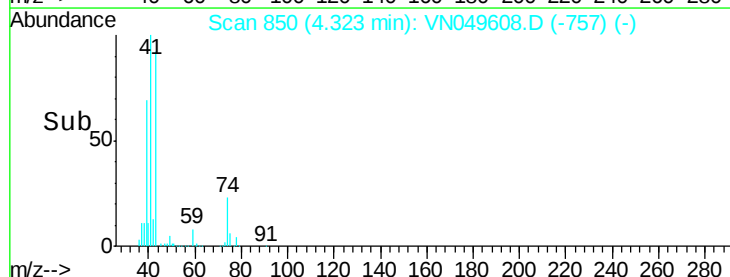
300000

200000

100000

0

Time-->





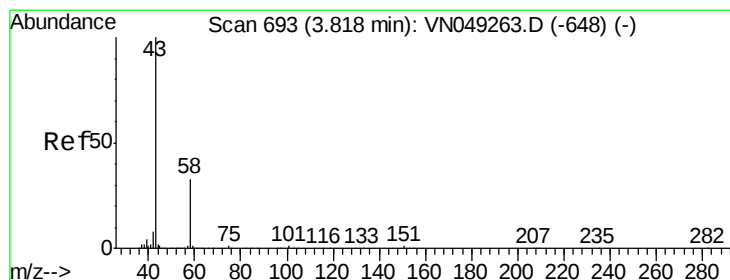
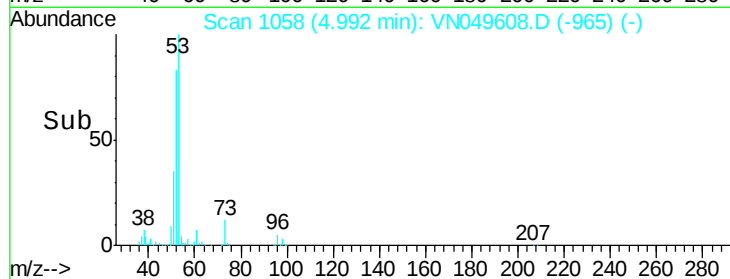
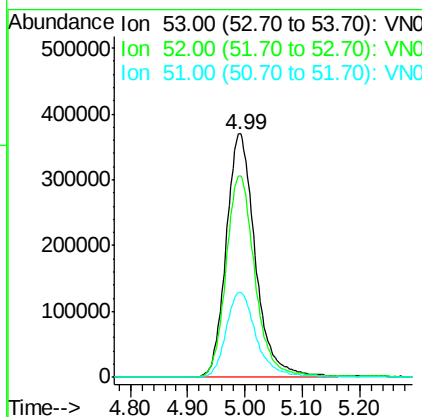
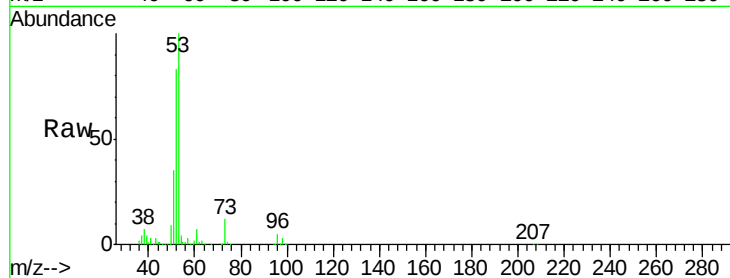
#15
 Acrylonitrile
 Concen: 234.84 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.6	100.0
51	36.1	29.8	44.8

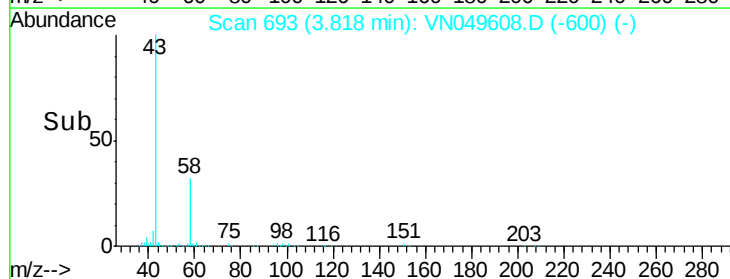
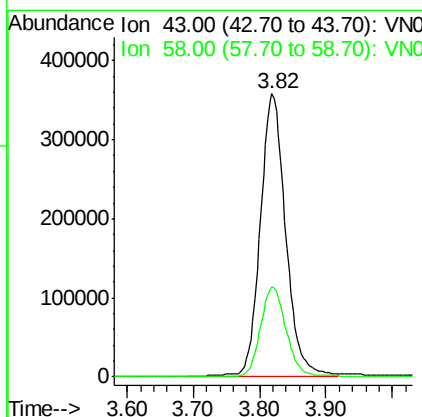
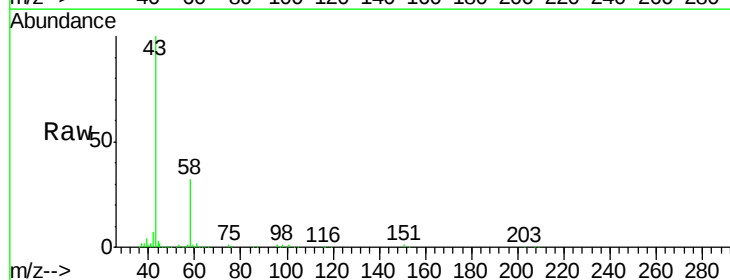
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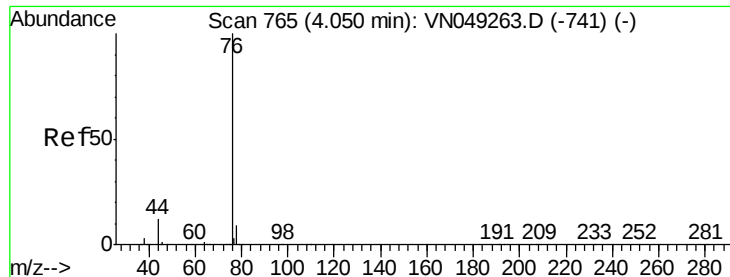
MMDadoda
 6/29/2018 1:46:47 PM



#16
 Acetone
 Concen: 206.98 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.4	22.4	33.6





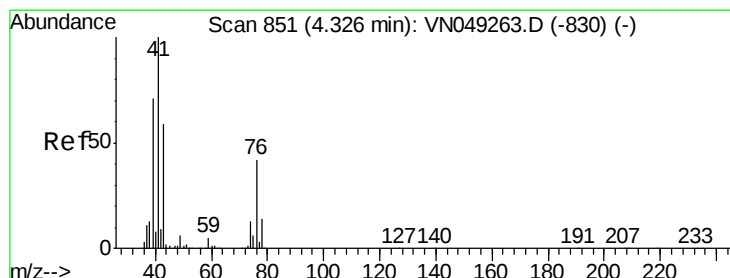
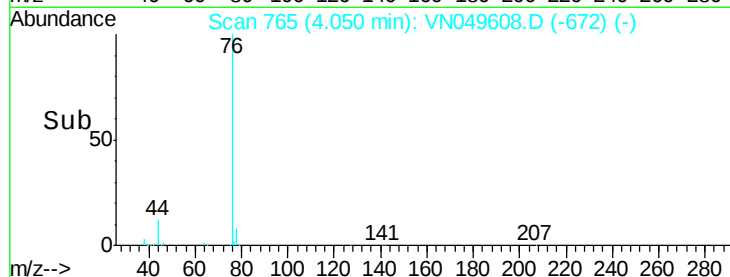
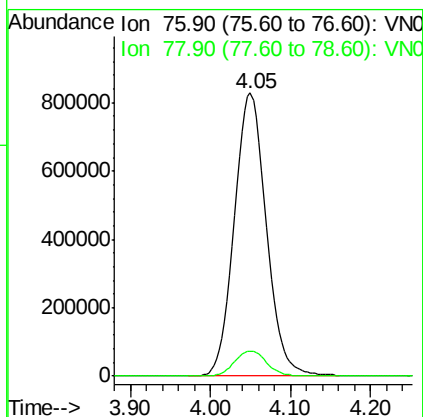
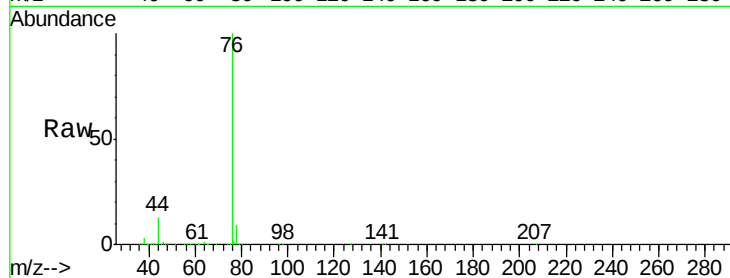
#17
Carbon Disulfide
Concen: 43.52 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 2240536
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

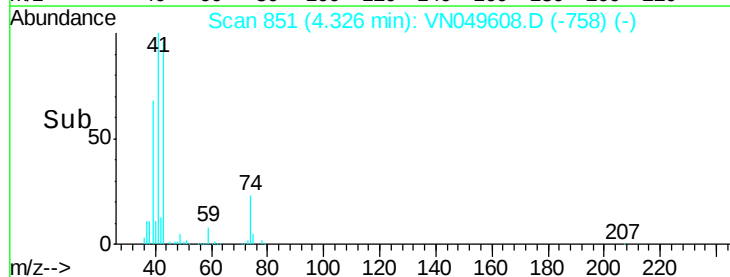
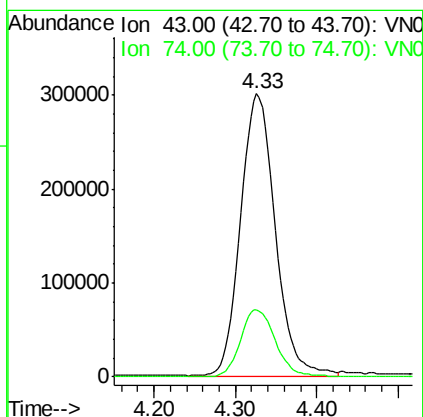
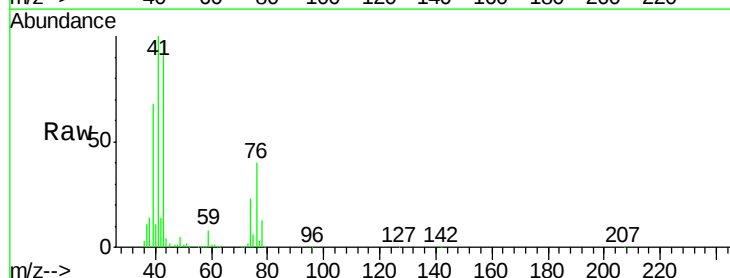
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6/29/2018 1:46:47 PM



#18
Methyl Acetate
Concen: 62.66 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 43 Resp: 881302
Ion Ratio Lower Upper
43 100
74 24.2 17.4 26.0





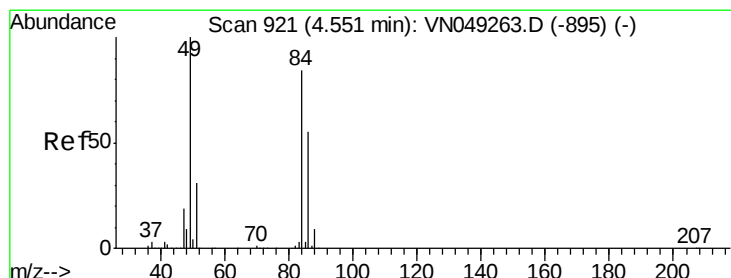
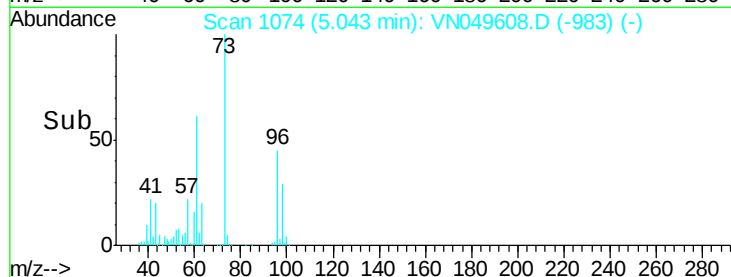
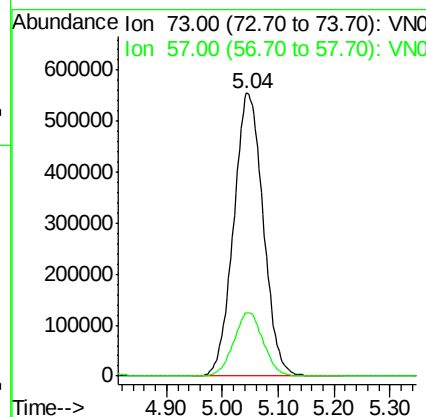
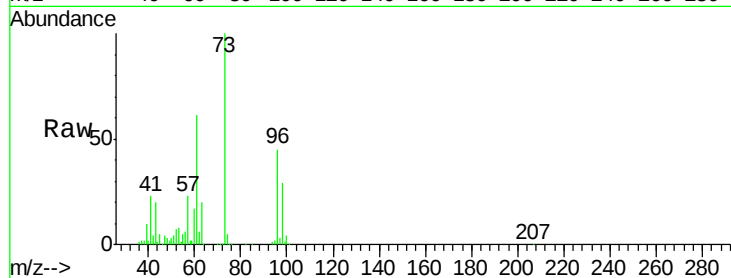
#19
Methvl tert-butvl Ether
Concen: 48.92 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 2048480
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4

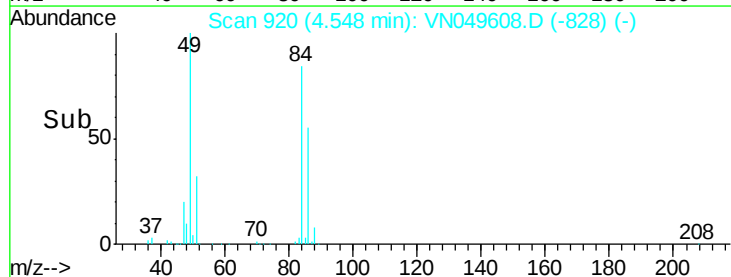
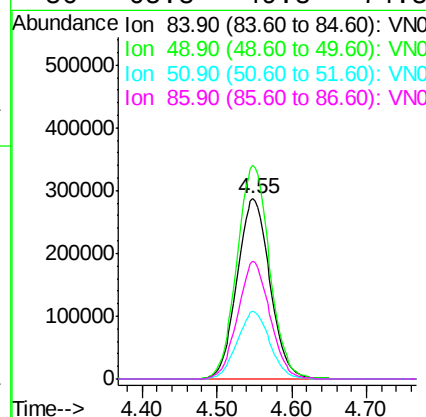
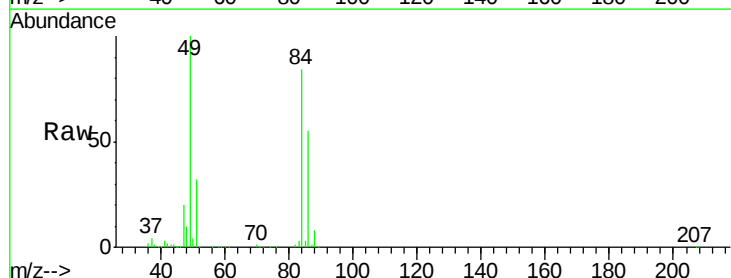
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#20
Methylene Chloride
Concen: 45.57 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 84 Resp: 877861
Ion Ratio Lower Upper
84 100
49 118.6 106.9 160.3
51 37.4 32.7 49.1
86 65.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 46.23 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 803872

Ion Ratio Lower Upper

96 100

61 136.2 121.3 181.9

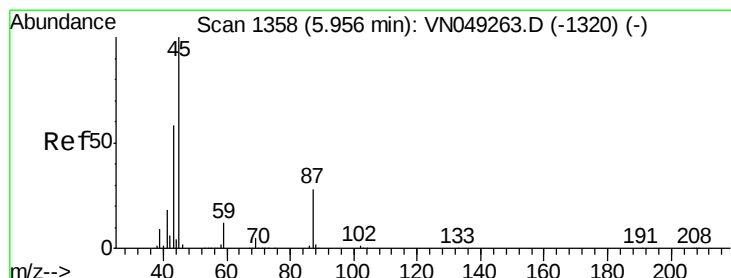
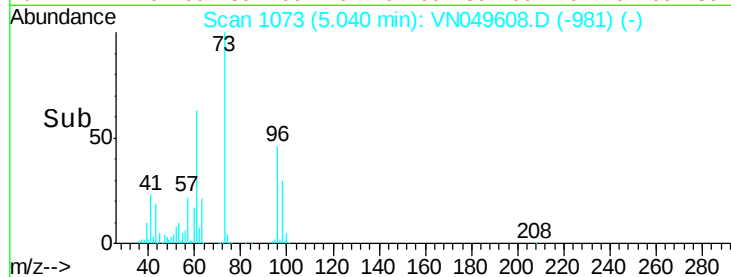
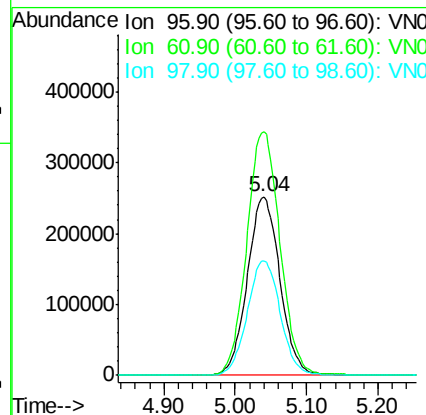
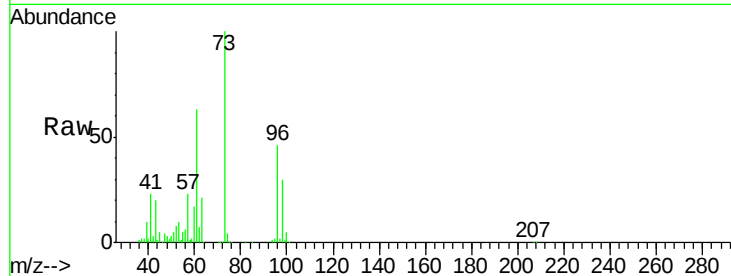
98 64.2 52.0 78.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 49.25 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Tgt Ion: 45 Resp: 2550650

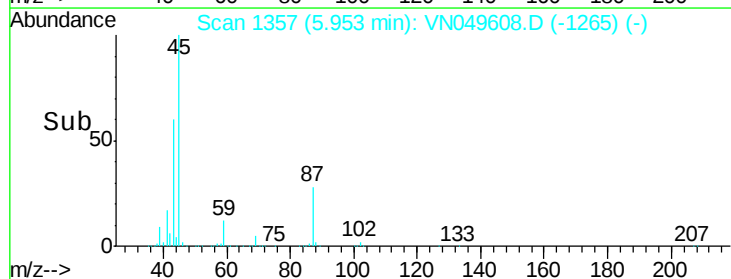
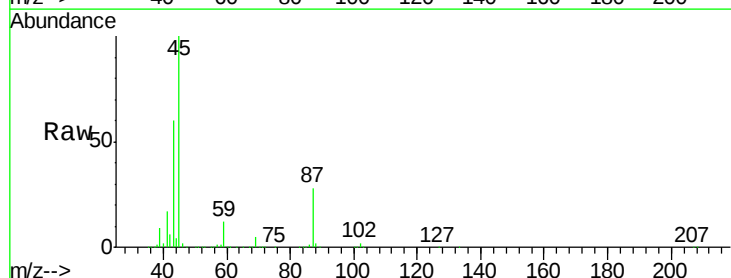
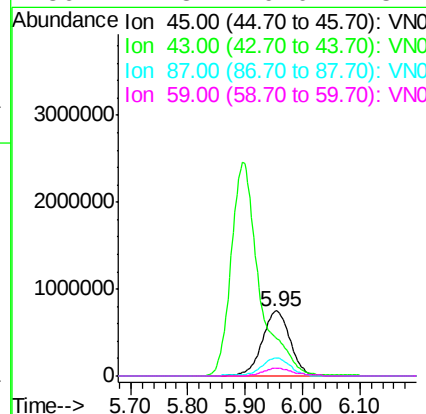
Ion Ratio Lower Upper

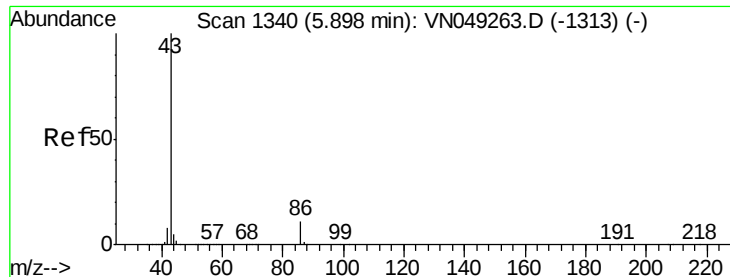
45 100

43 59.7 48.6 72.8

87 28.2 20.2 30.2

59 11.8 9.0 13.4





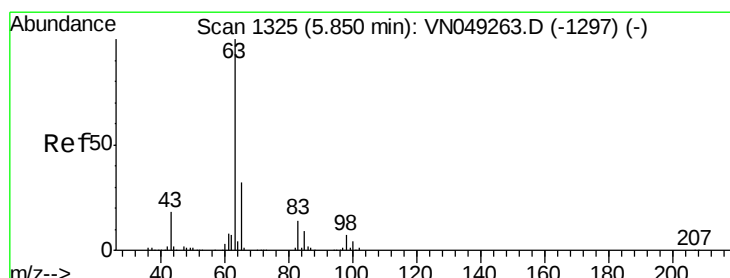
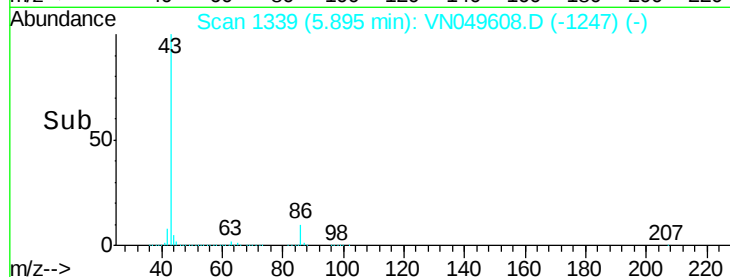
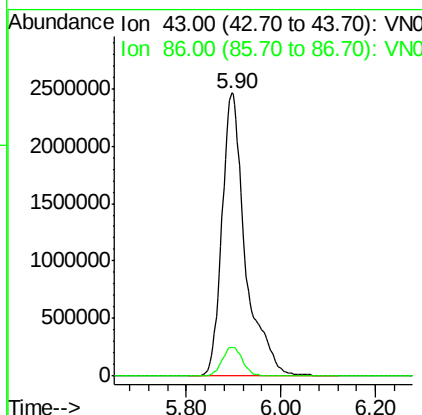
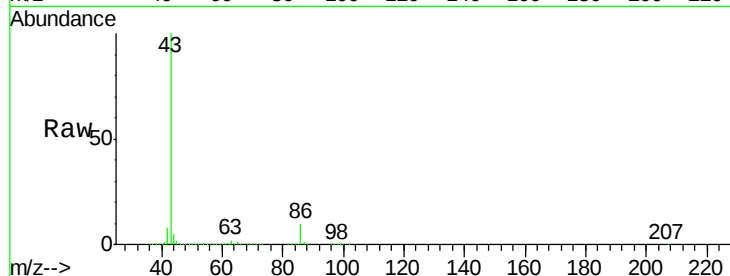
#23
 Vinyl Acetate
 Concen: 250.60 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 8460291
 Ion Ratio Lower Upper
 43 100
 86 10.3 7.2 10.8

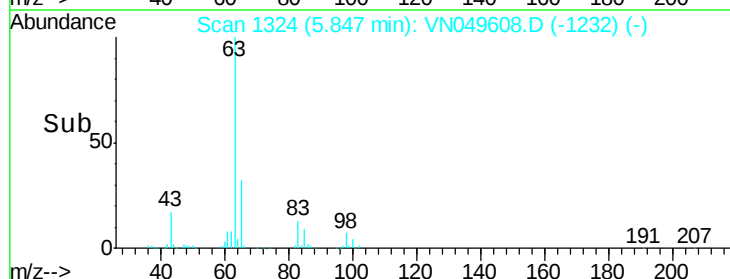
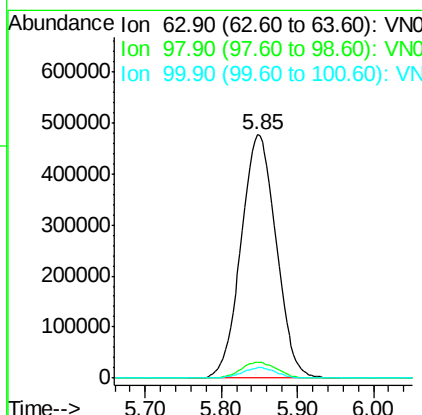
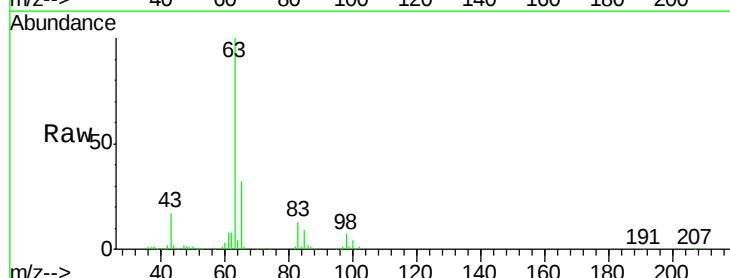
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#24
 1,1-Dichloroethane
 Concen: 46.21 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion: 63 Resp: 1531777
 Ion Ratio Lower Upper
 63 100
 98 6.5 2.9 8.8
 100 4.1 2.1 6.3





#25

2-Butanone

Concen: 228.22 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1413575

Ion Ratio Lower Upper

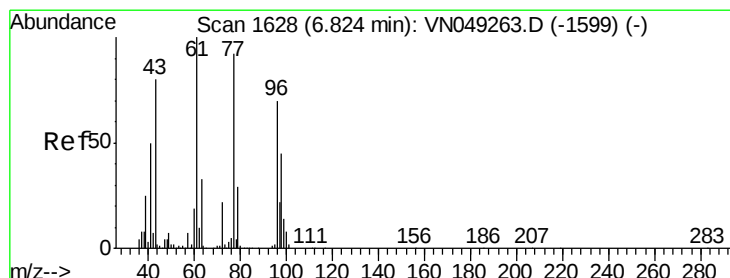
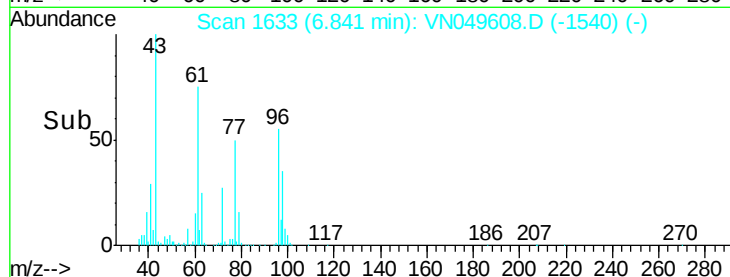
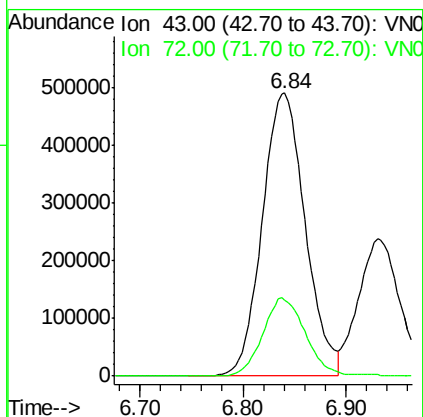
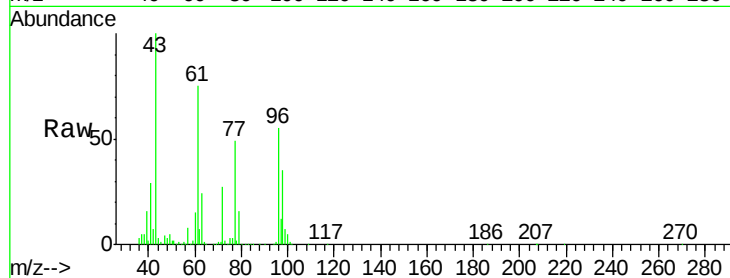
43 100

72 26.9 20.2 30.2

Manual Integrations
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MMDadoda

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#26

2,2-Dichloropropane

Concen: 39.19 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049608.D

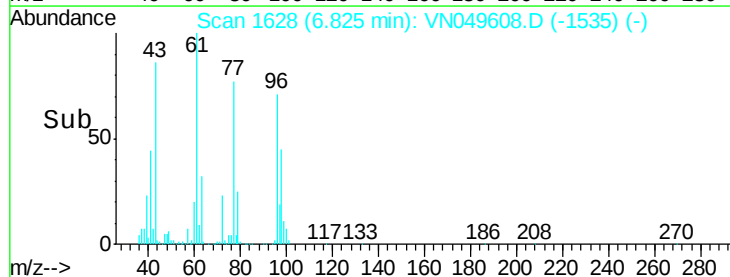
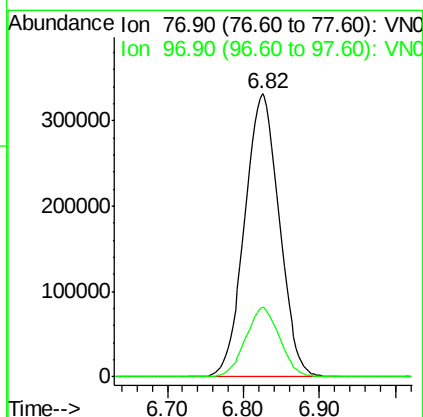
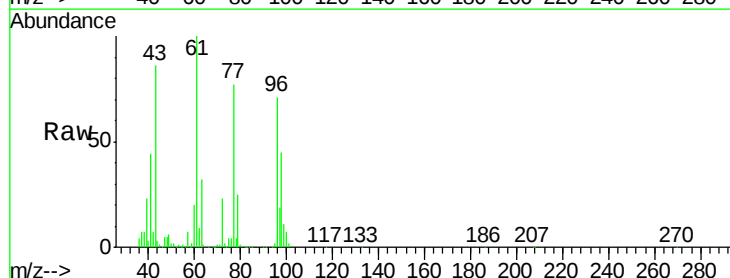
Acq: 28 Jun 2018 23:34

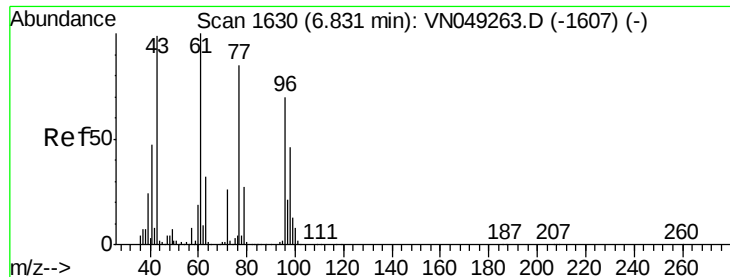
Tgt Ion: 77 Resp: 1049089

Ion Ratio Lower Upper

77 100

97 24.2 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 47.91 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

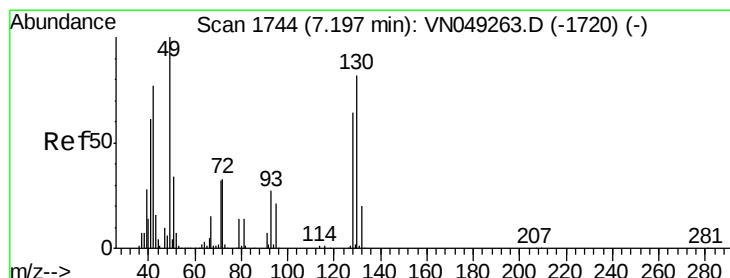
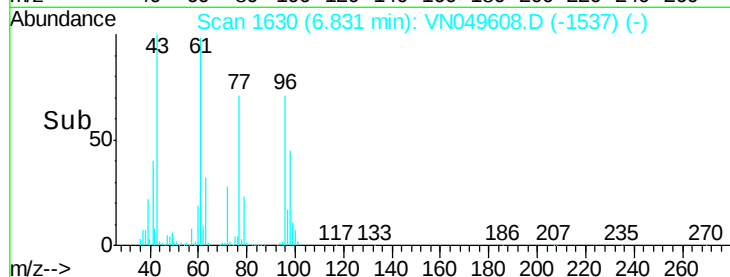
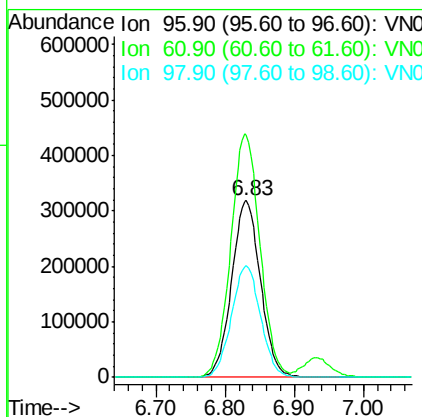
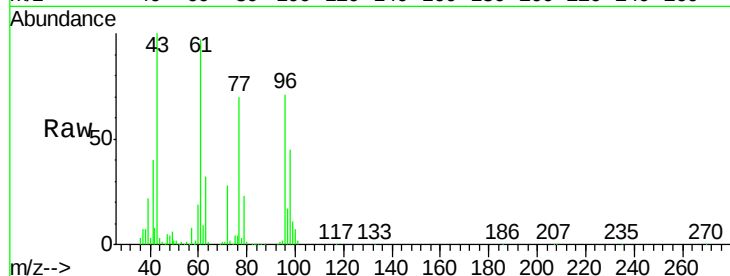
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	926091
Ion Ratio	Lower	Upper	
96	100		
61	139.2	0.0	316.4
98	63.7	0.0	128.4

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#28

Bromochloromethane

Concen: 47.21 ug/l

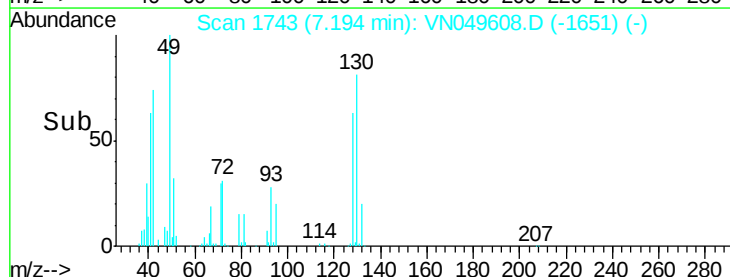
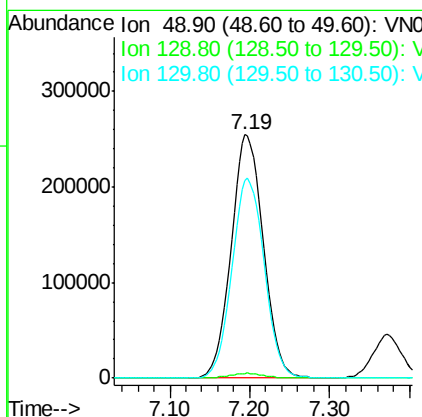
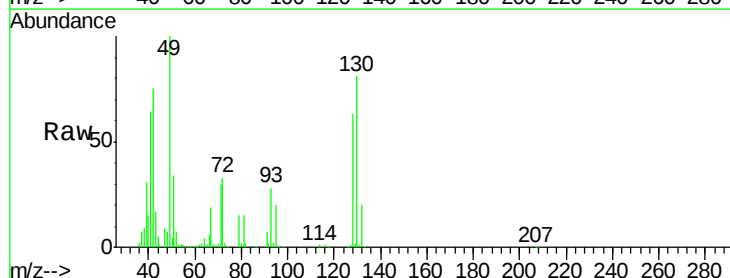
RT: 7.19 min Scan# 1743

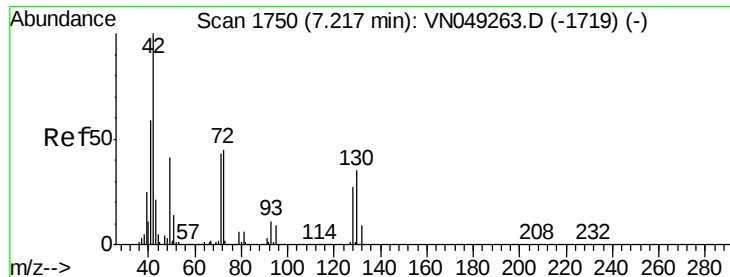
Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Tgt Ion:	49	Resp:	693772
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	3.8
130	82.5	54.9	82.3#





#29

Tetrahydrofuran

Concen: 239.60 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

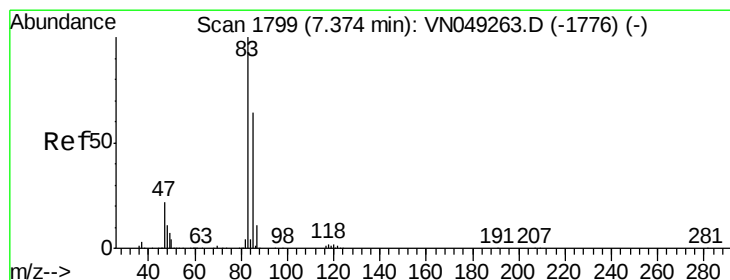
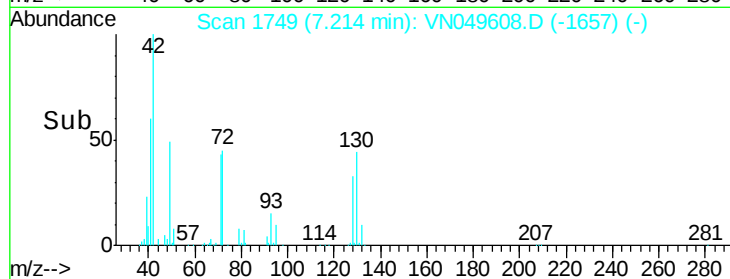
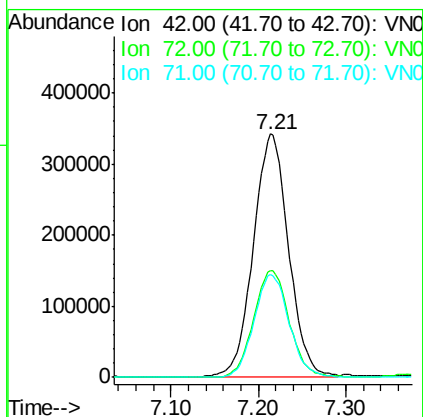
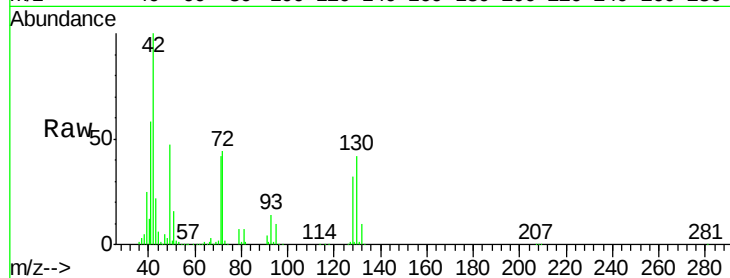
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	955340
Ion	Ratio	Lower	Upper
42	100		
72	44.4	32.2	48.4
71	42.2	30.5	45.7

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#30

Chloroform

Concen: 47.08 ug/l

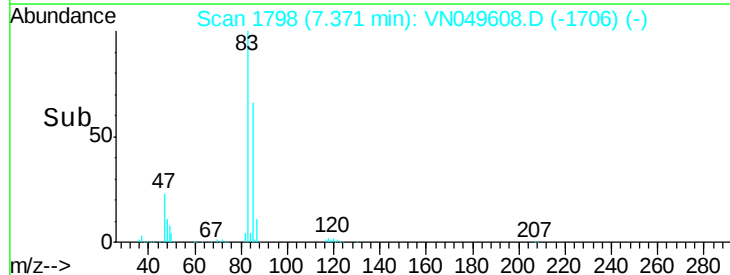
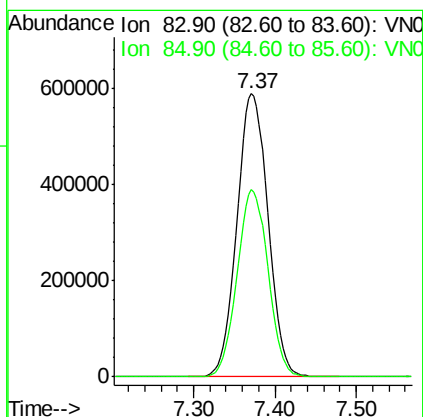
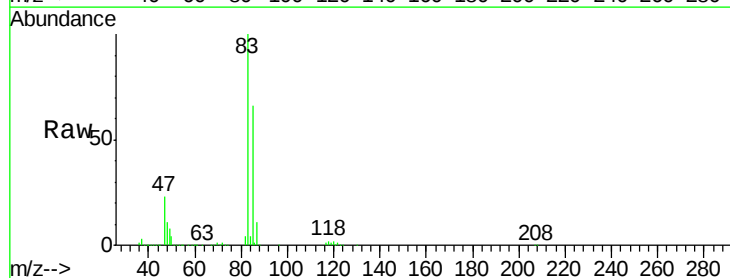
RT: 7.37 min Scan# 1798

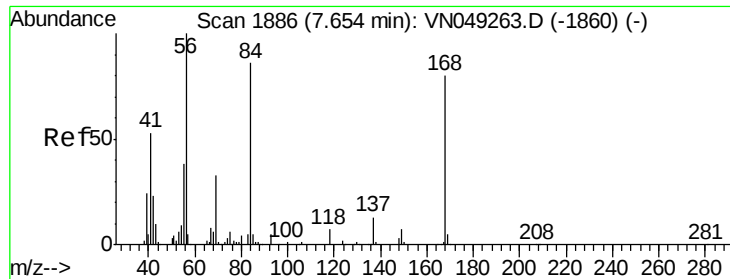
Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Tgt Ion:	83	Resp:	1552954
Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.7	77.5





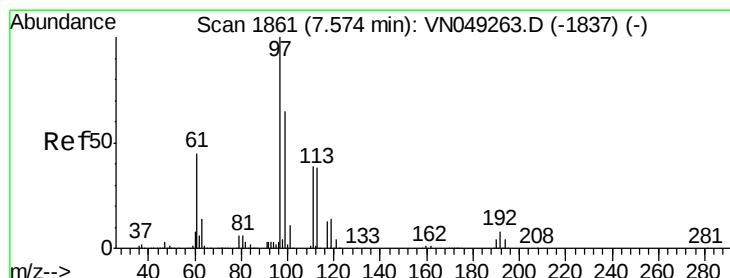
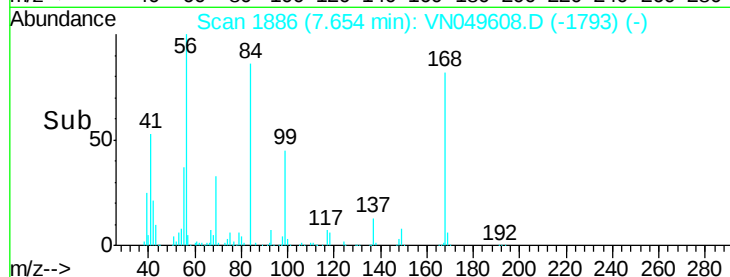
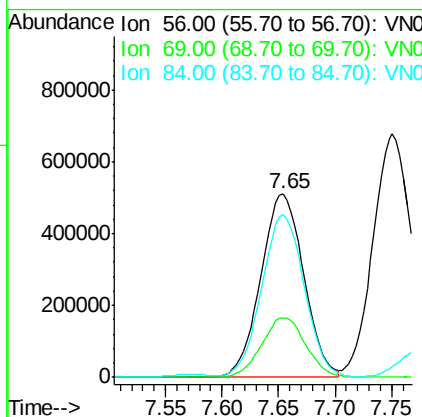
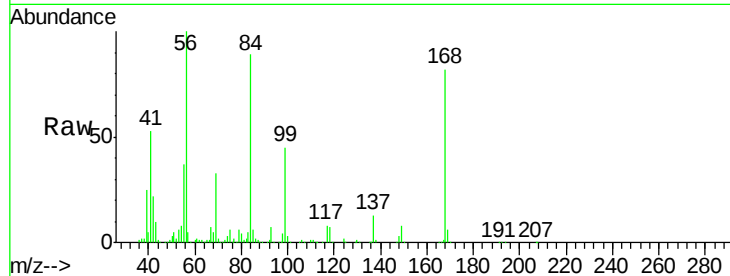
#31
Cyclohexane
Concen: 47.88 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.0	37.4
84	86.9	64.6	96.8

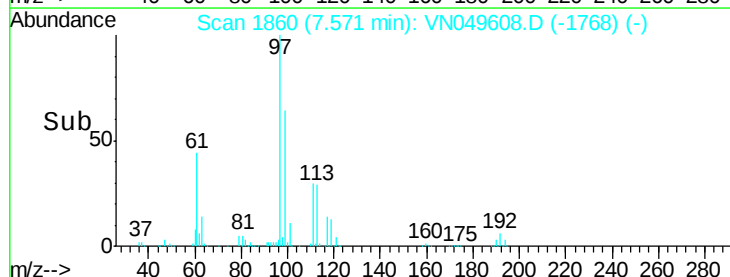
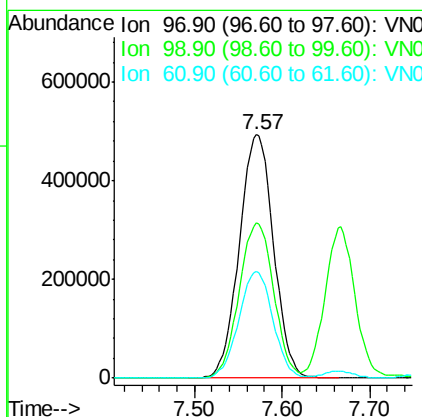
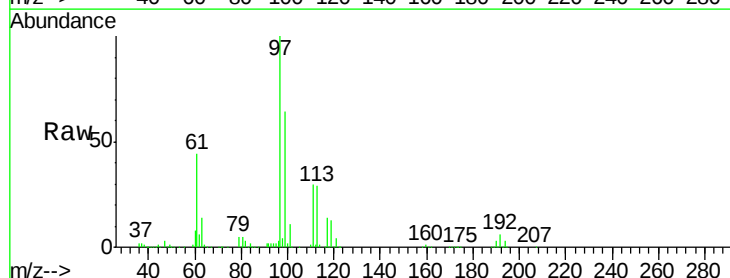
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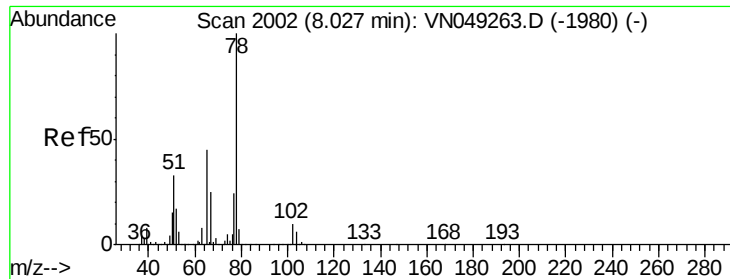
MMDadoda
6/29/2018 1:46:47 PM



#32
1,1,1-Trichloroethane
Concen: 47.55 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.5	75.7
61	43.7	37.9	56.9





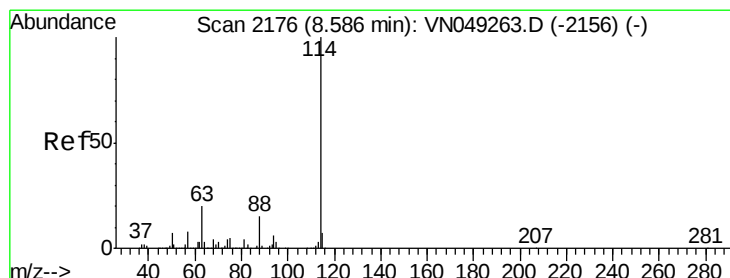
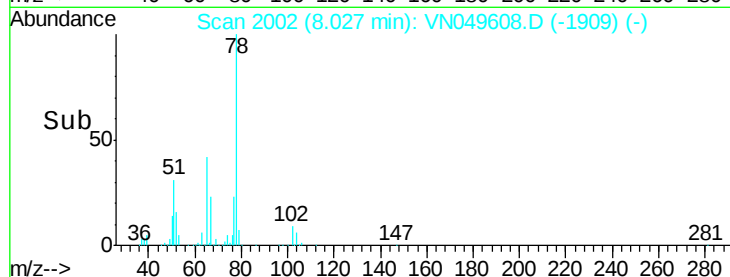
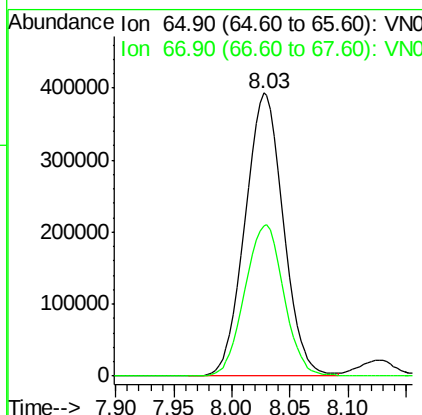
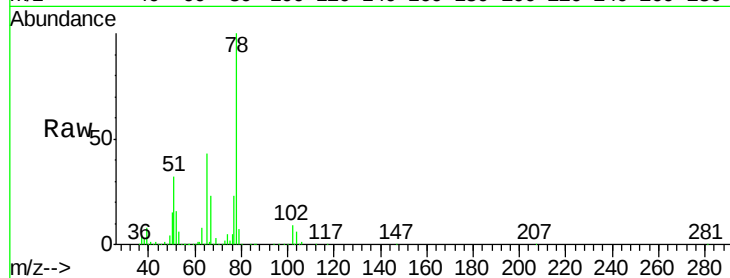
#33
 1,2-Dichloroethane-d4
 Concen: 47.81 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	103.8	

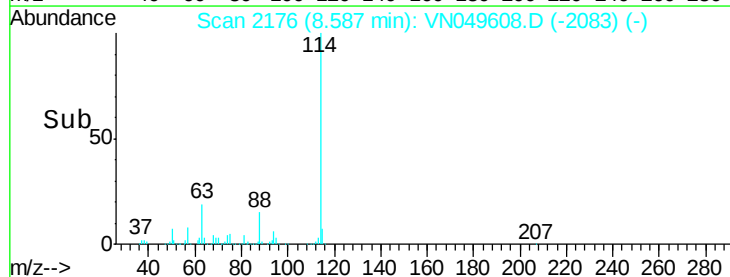
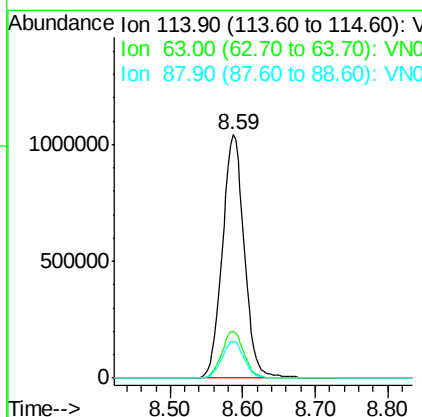
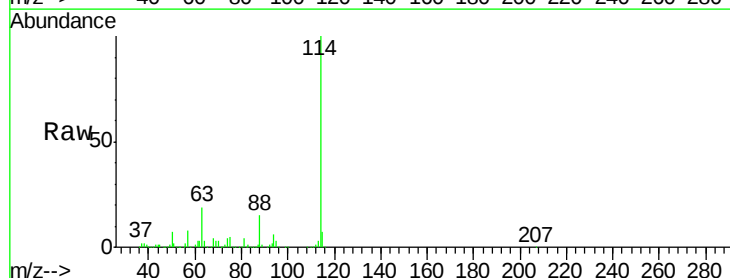
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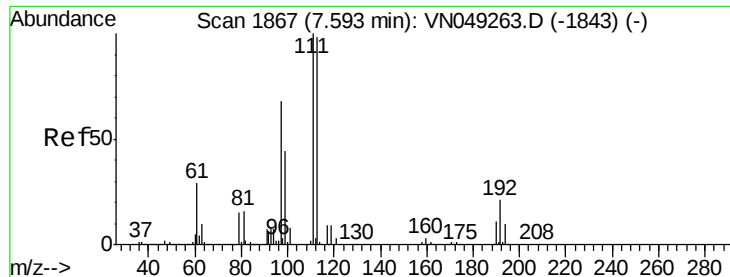
MMDadoda
 6/29/2018 1:46:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	44.4	
88	15.1	0.0	31.4	





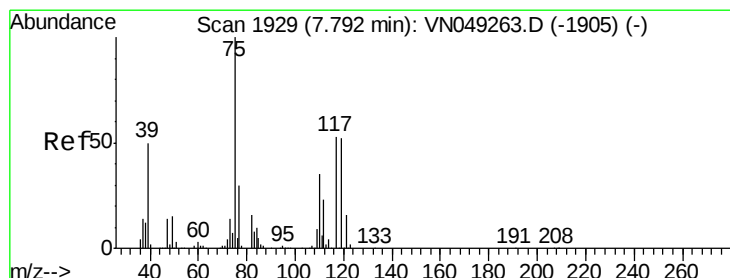
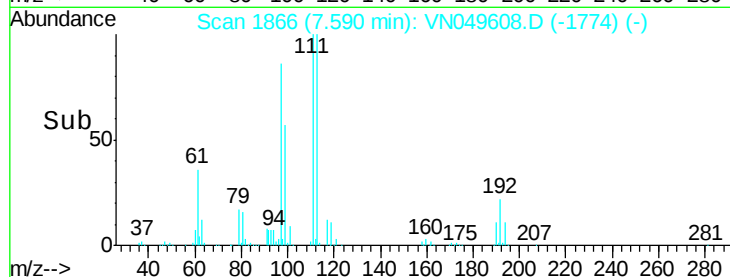
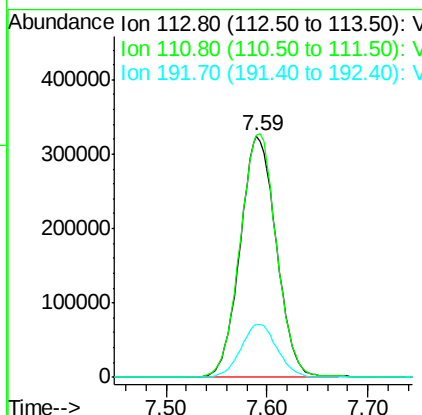
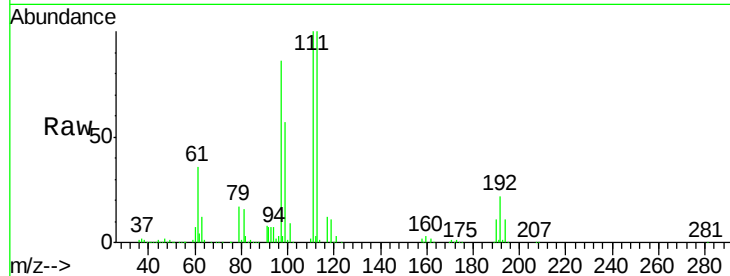
#35
 Dibromofluoromethane
 Concen: 45.70 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.4	123.6
192	22.0	15.0	22.6

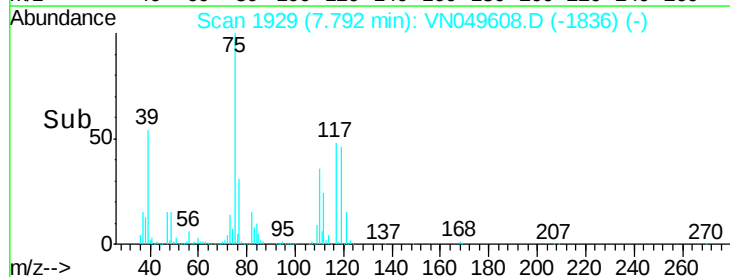
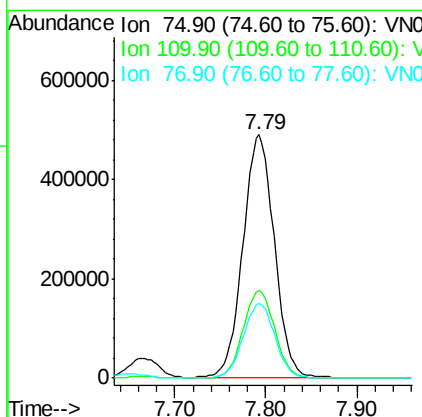
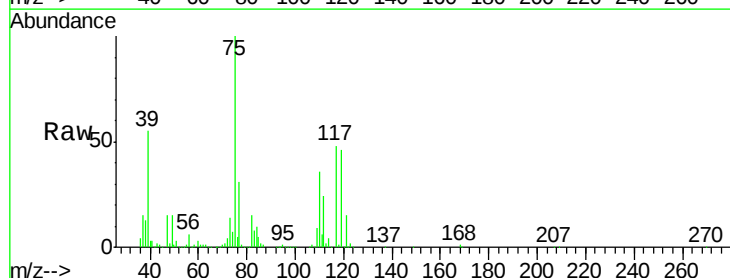
Manual Integrations
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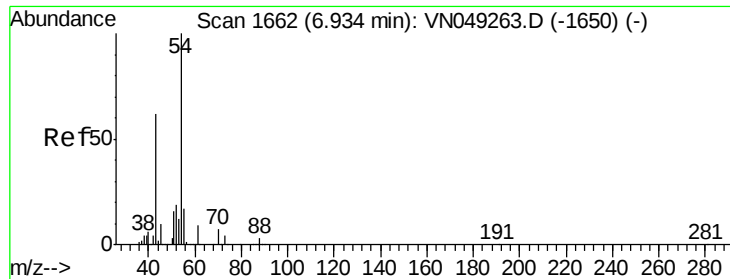
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 47.00 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.0	50.9
77	31.3	24.4	36.6





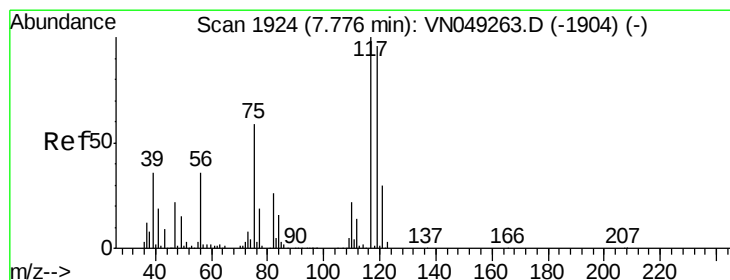
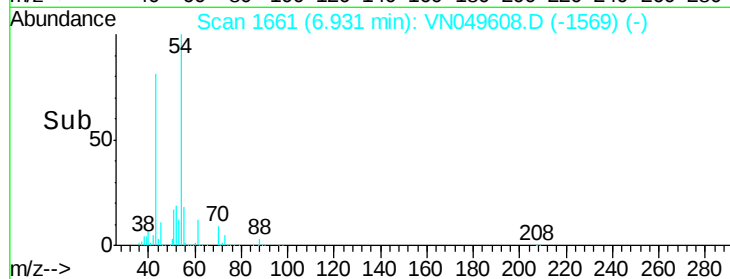
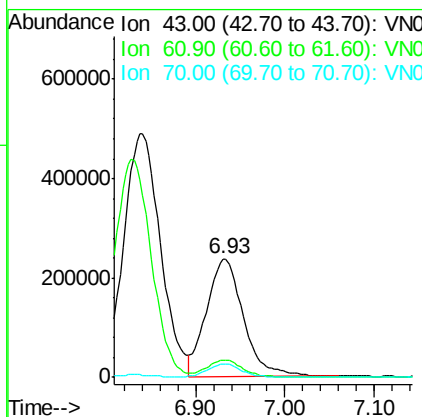
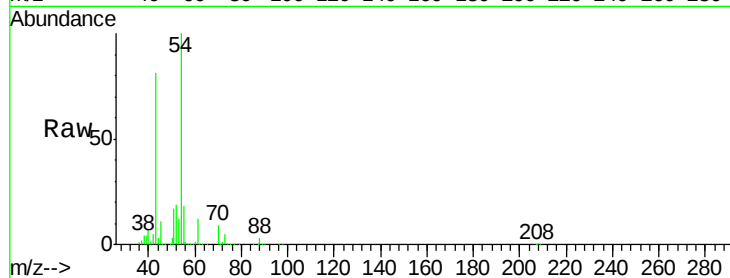
#37
Ethyl Acetate
Concen: 49.99 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.4	7.2	10.8

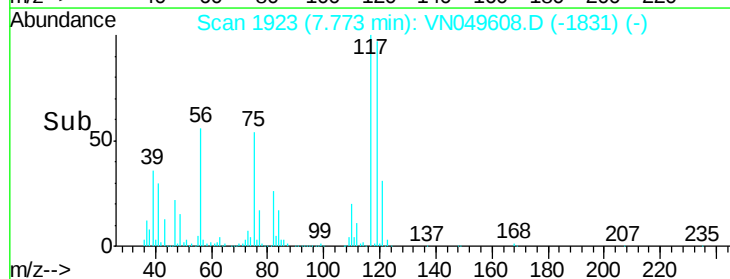
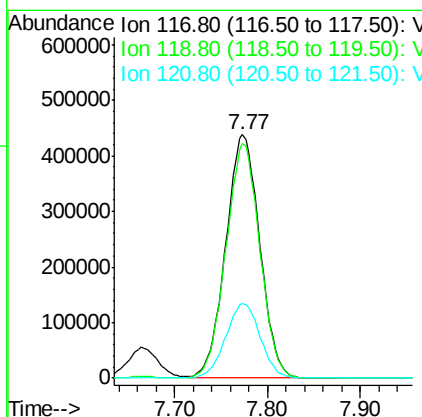
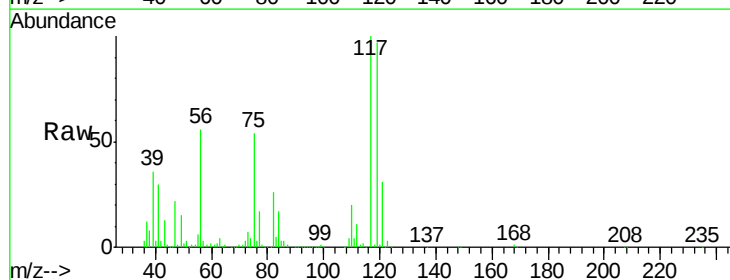
Manual Integrations
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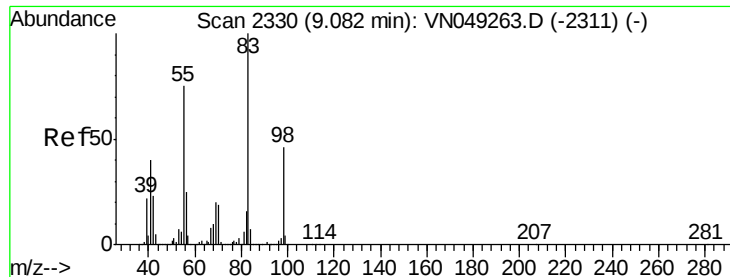
MMDadoda
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#38
Carbon Tetrachloride
Concen: 43.02 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.6	113.4
121	30.8	24.7	37.1





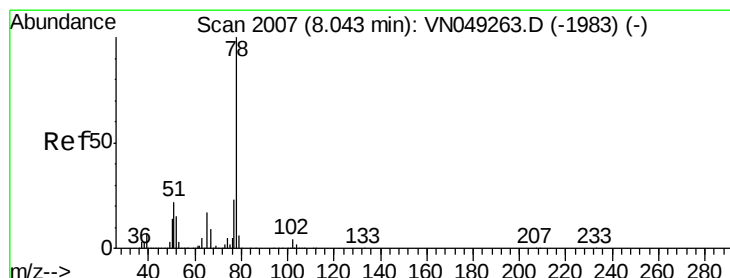
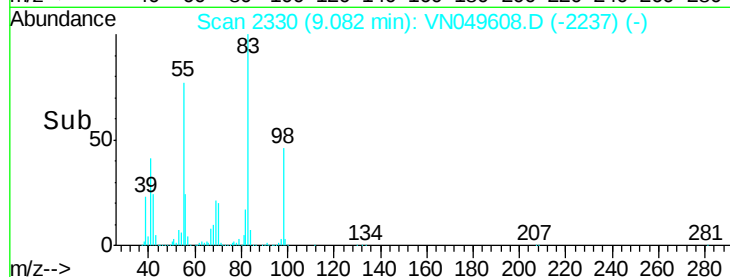
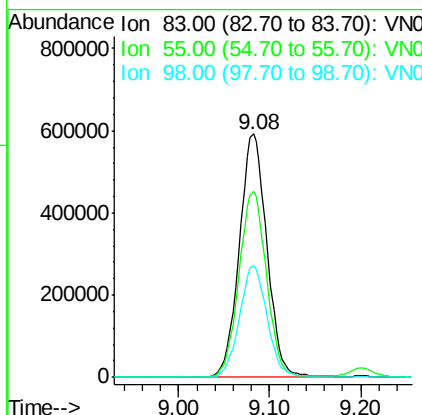
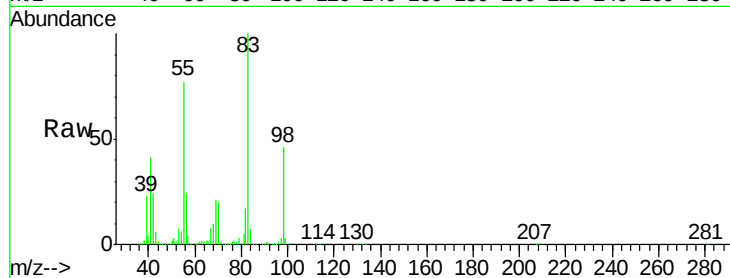
#39
Methvlcvclohexane
Concen: 46.53 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	65.1	97.7
98	45.9	36.5	54.7

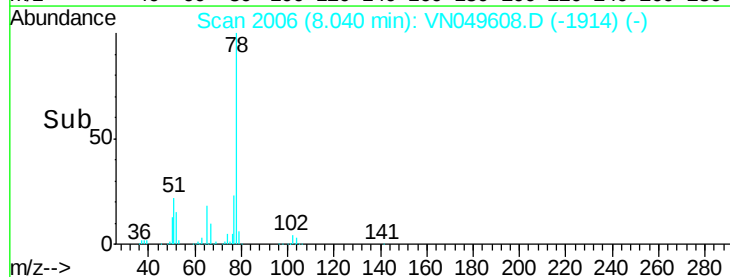
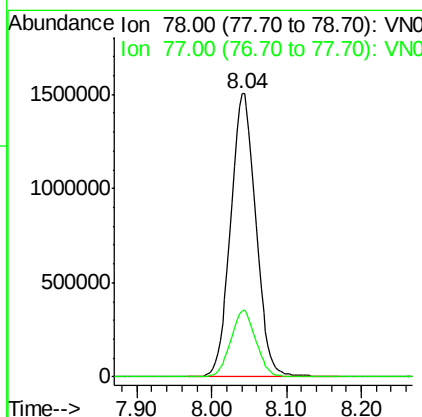
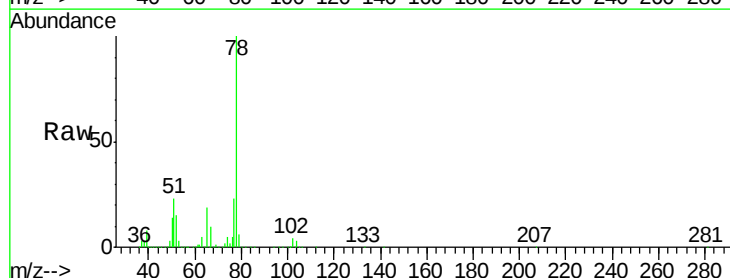
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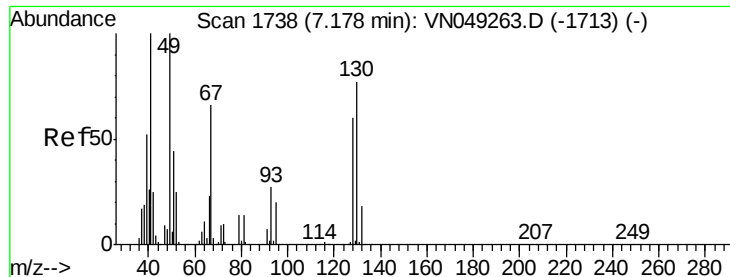
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#40
Benzene
Concen: 46.10 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.0





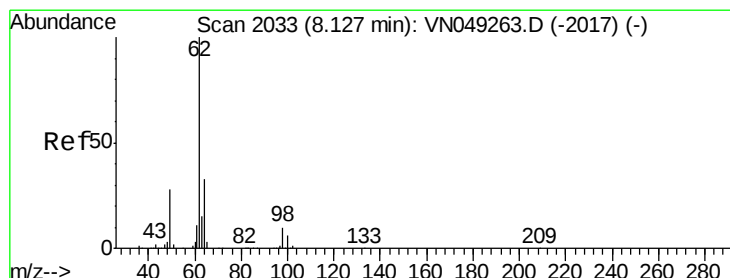
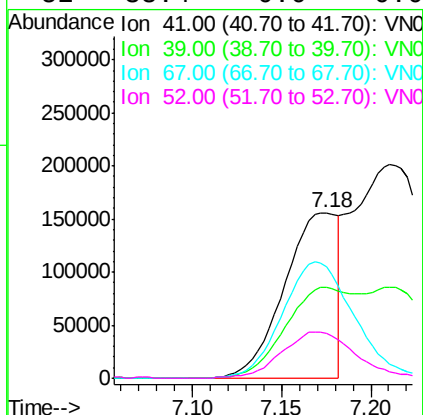
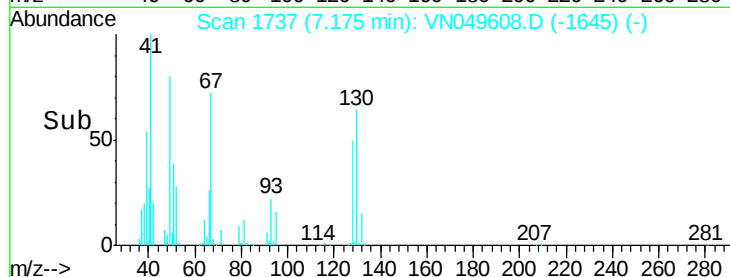
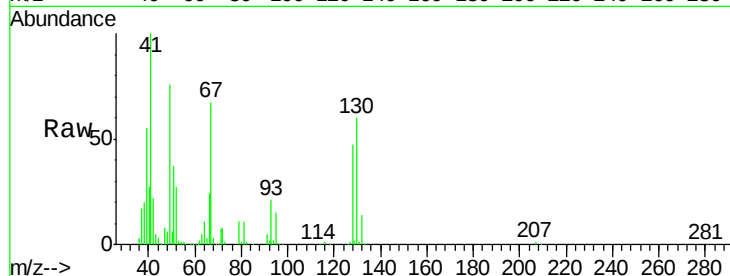
#41
Methacrylonitrile
Concen: 43.90 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	322192
Ion Ratio	Lower	Upper	
41	100		
39	68.0	0.0	0.0#
67	95.9	0.0	0.0#
52	38.4	0.0	0.0#

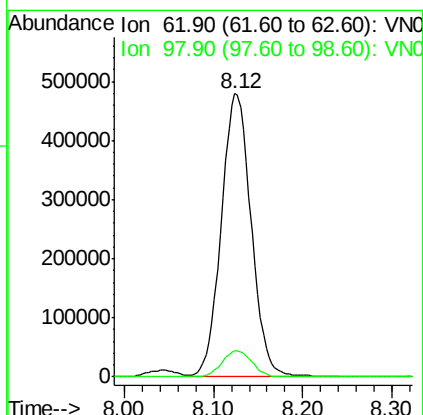
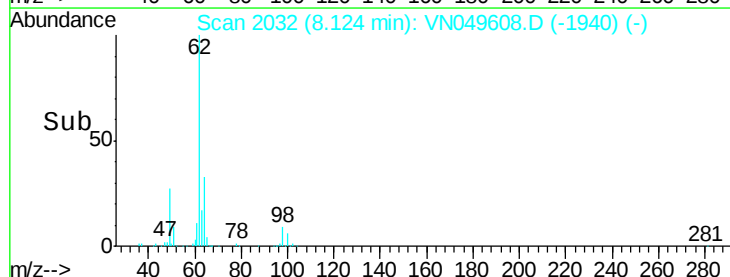
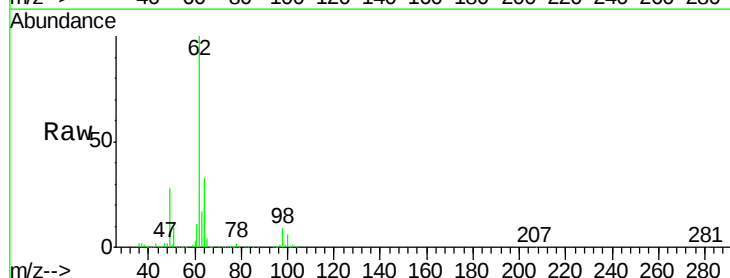
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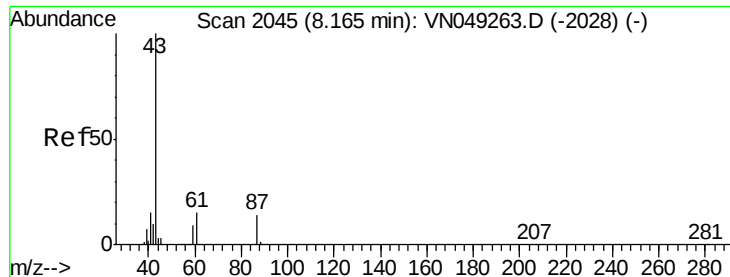
MMDadoda
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#42
1,2-Dichloroethane
Concen: 46.77 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion	62	Resp	1106296
Ion Ratio	Lower	Upper	
62	100		
98	9.3	0.0	16.2





#43

Isopropyl Acetate

Concen: 51.01 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1323025

Ion Ratio Lower Upper

43 100

61 27.5 14.2 21.4#

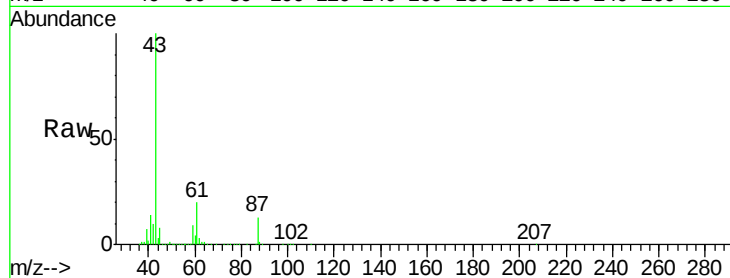
87 12.5 9.4 14.0

Manual Integrations

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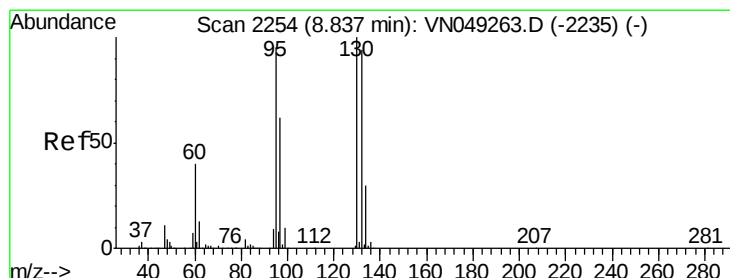
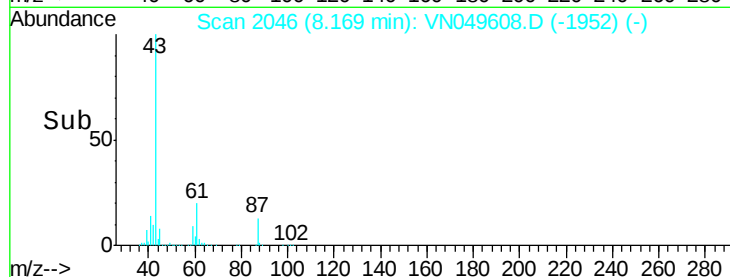
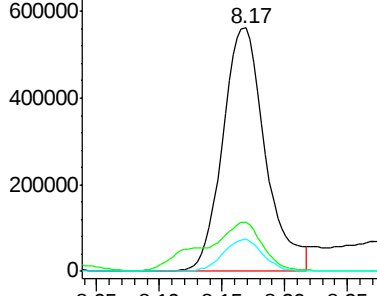
6/29/2018 1:46:47 PM



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2028) (-)

Ion 61.00 (60.70 to 61.70): VN049263.D (-2028) (-)

Ion 87.00 (86.70 to 87.70): VN049263.D (-2028) (-)



#44

Trichloroethene

Concen: 51.52 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049608.D

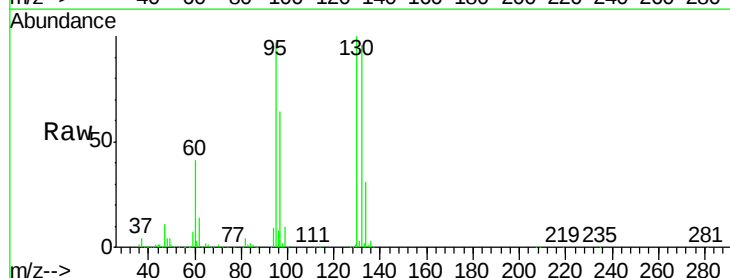
Acq: 28 Jun 2018 23:34

Tgt Ion:130 Resp: 1041530

Ion Ratio Lower Upper

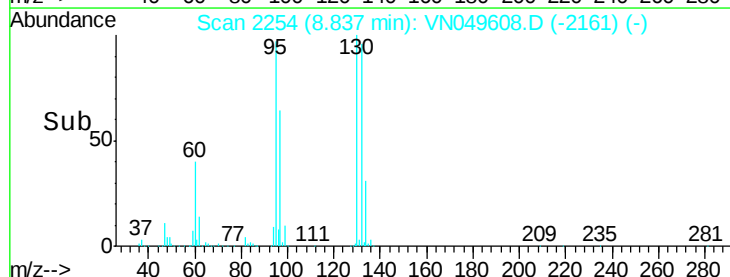
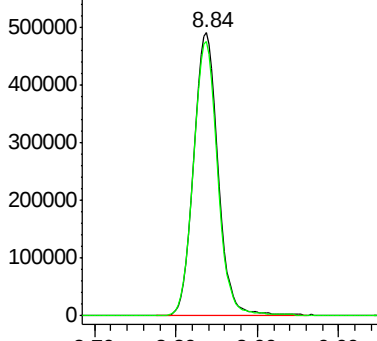
130 100

95 96.9 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049263.D (-2235) (-)

Ion 94.90 (94.60 to 95.60): VN049263.D (-2235) (-)





#45

1,2-Dichloropropane

Concen: 46.29 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 927973

Ion Ratio Lower Upper

63 100

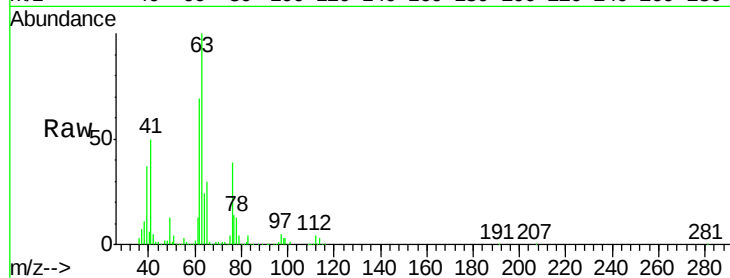
65 30.2 24.8 37.2

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

400000

300000

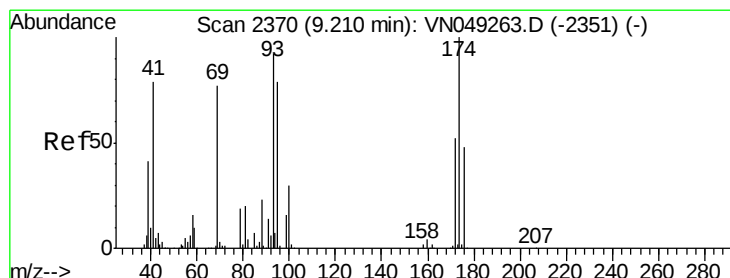
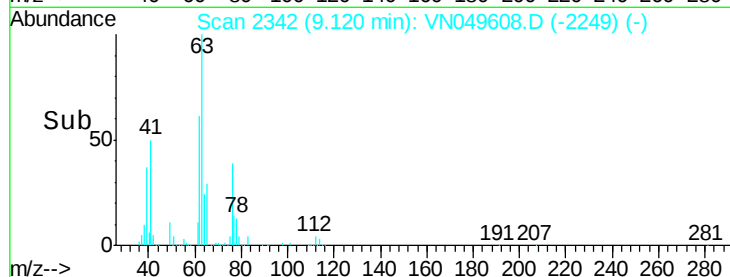
200000

100000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 46.97 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

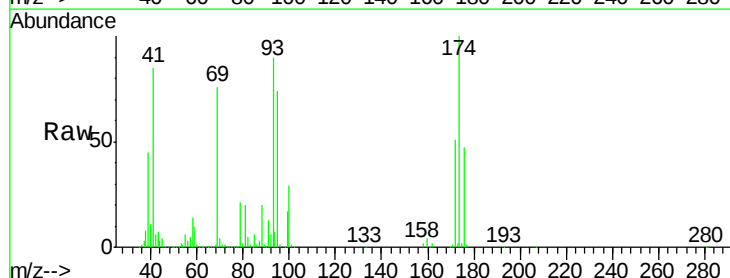
Tgt Ion: 93 Resp: 545918

Ion Ratio Lower Upper

93 100

95 83.0 67.2 100.8

174 110.7 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

400000

300000

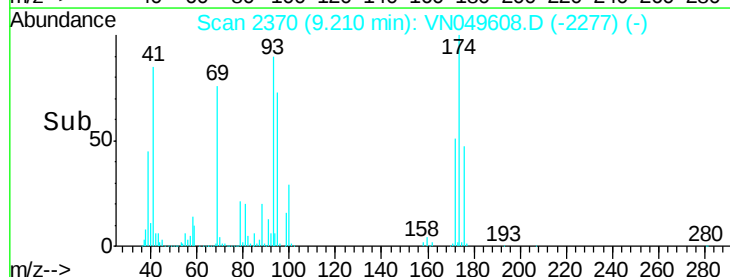
200000

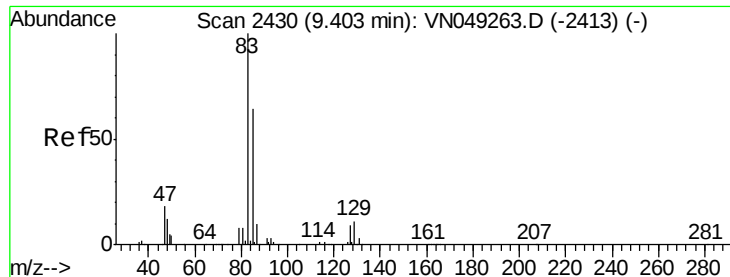
100000

0

Time-->

9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 45.92 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1172935

Ion Ratio Lower Upper

83 100

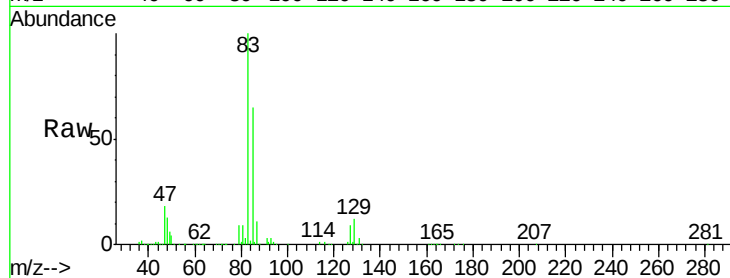
85 64.6 49.4 74.0

127 8.7 6.3 9.5

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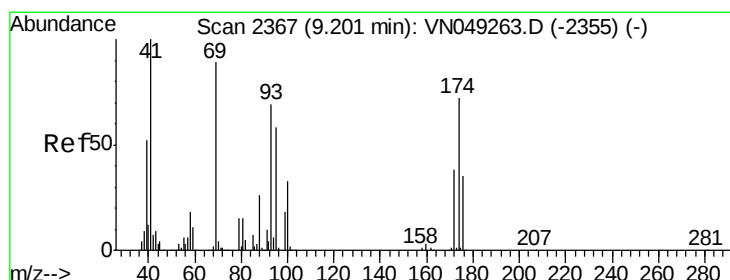
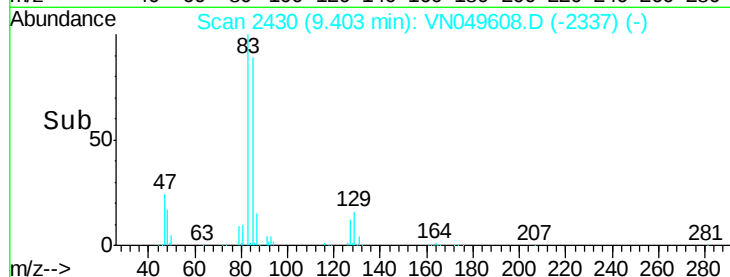
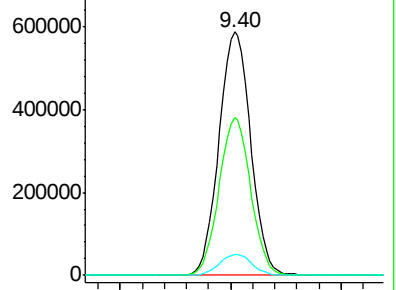
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Abundance Ion 82.90 (82.60 to 83.60): VN049608.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049608.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049608.D (-2337) (-)



#48

Methyl methacrylate

Concen: 48.85 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

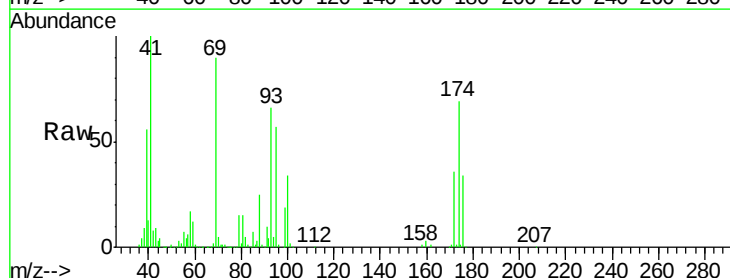
Tgt Ion: 41 Resp: 596680

Ion Ratio Lower Upper

41 100

69 93.1 62.0 93.0#

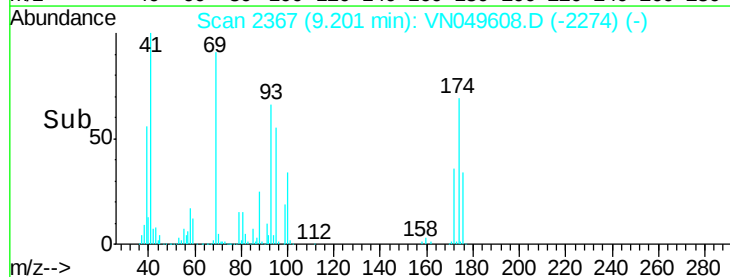
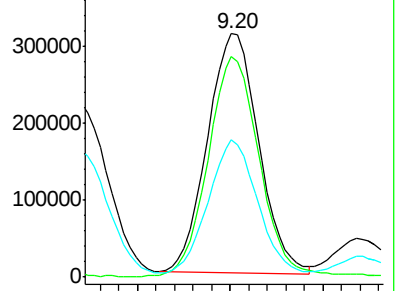
39 56.2 50.6 75.8

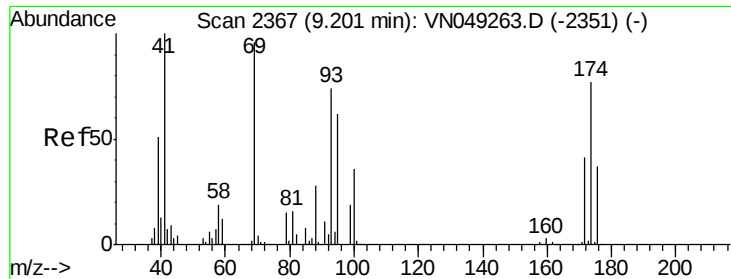


Abundance Ion 41.00 (40.70 to 41.70): VN049608.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049608.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049608.D (-2274) (-)





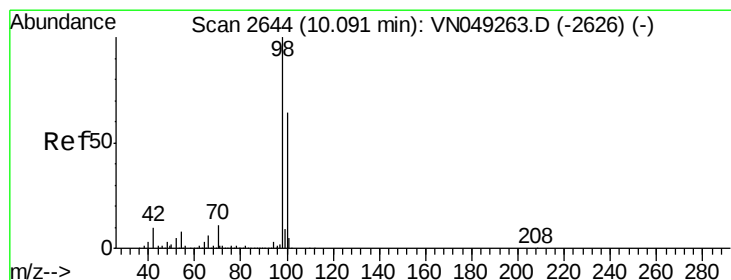
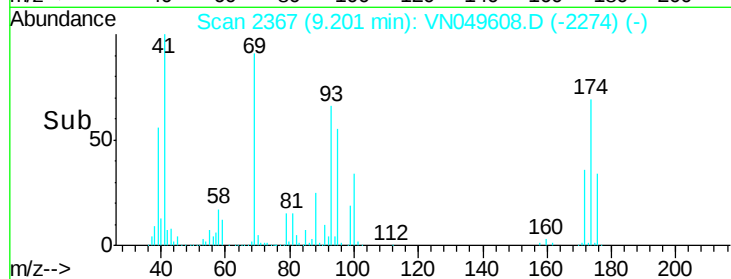
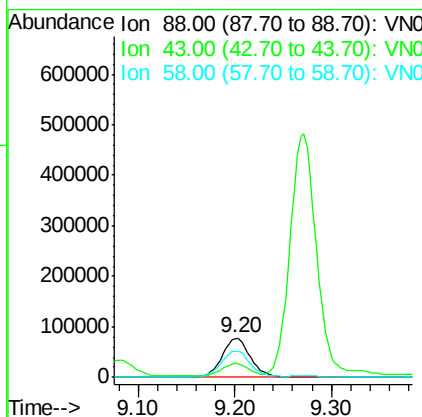
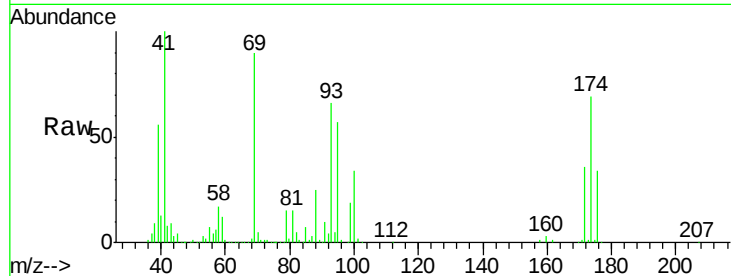
#49
1,4-Dioxane
Concen: 941.10 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	30.9	46.3#
58	69.5	58.9	88.3

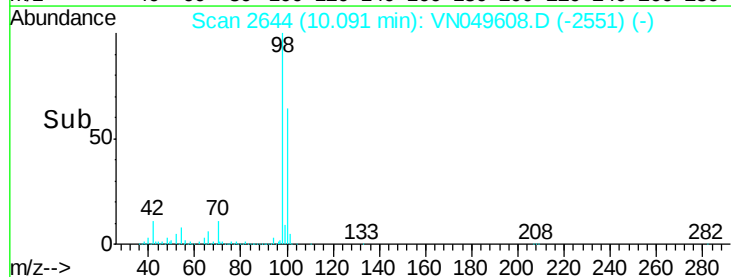
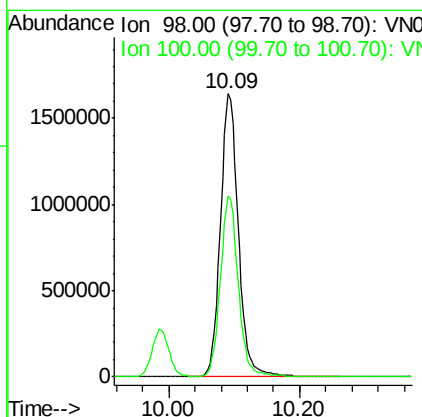
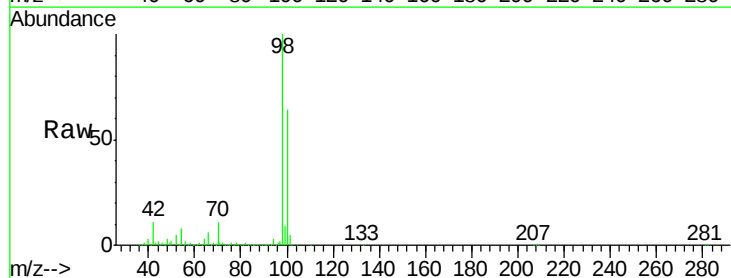
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#50
Toluene-d8
Concen: 46.90 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	49.8	74.8





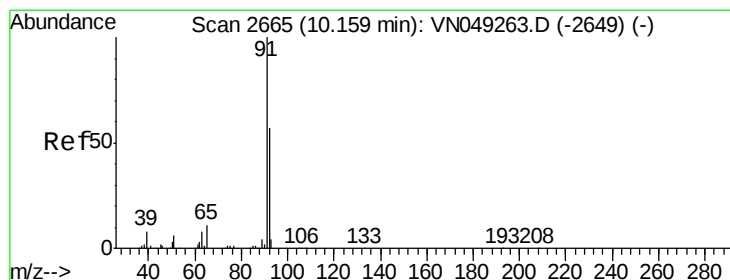
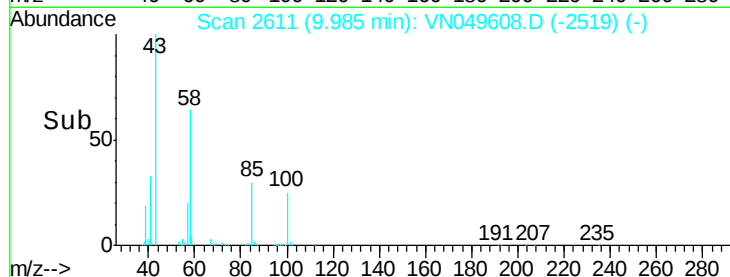
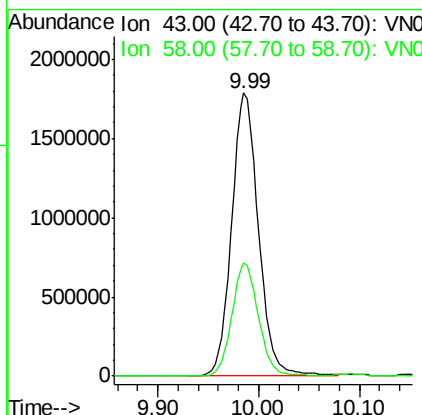
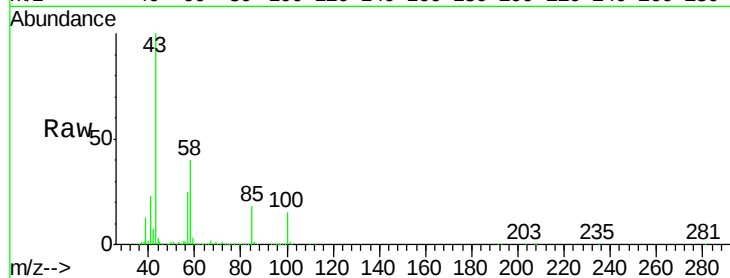
#51
4-Methyl-2-Pentanone
Concen: 243.32 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 3307920
Ion Ratio Lower Upper
43 100
58 39.7 29.0 43.6

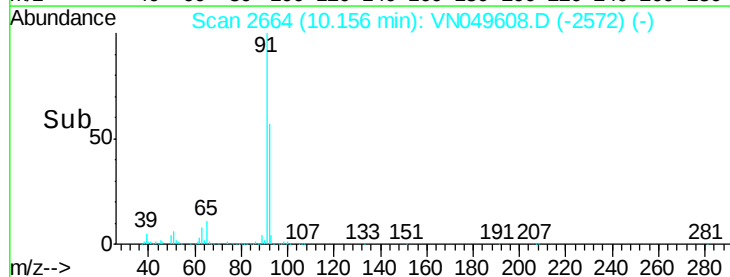
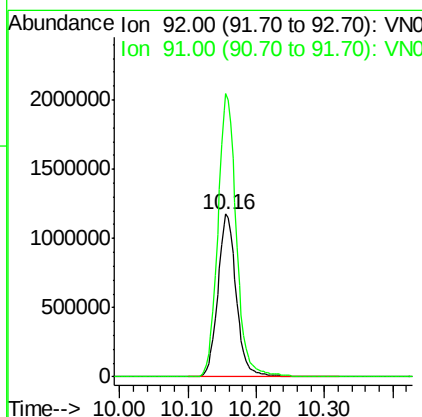
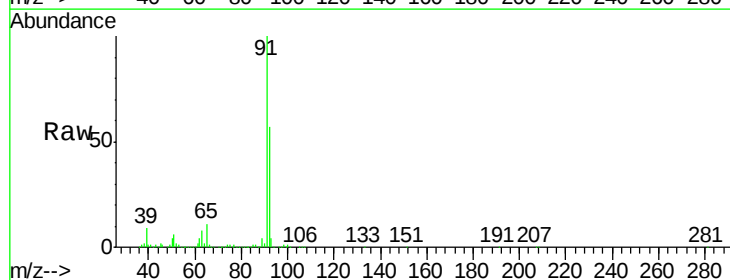
Manual Integrations
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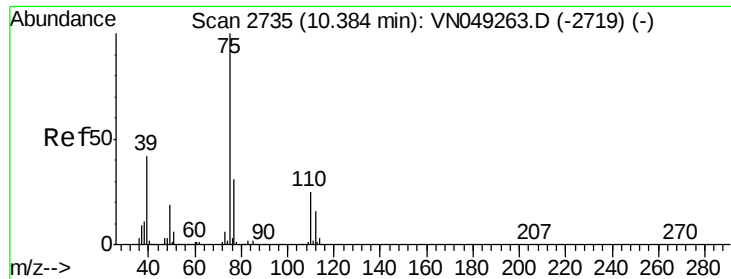
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#52
Toluene
Concen: 49.06 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 92 Resp: 2204622
Ion Ratio Lower Upper
92 100
91 174.7 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 45.84 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 1120124

Ion Ratio Lower Upper

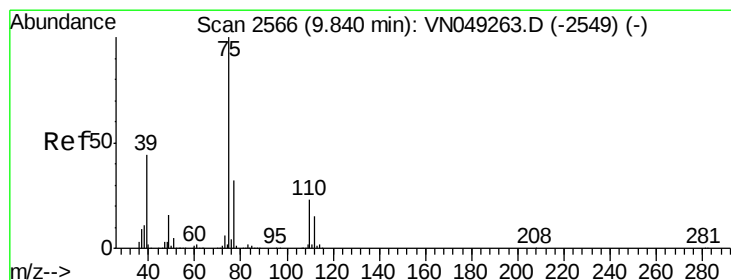
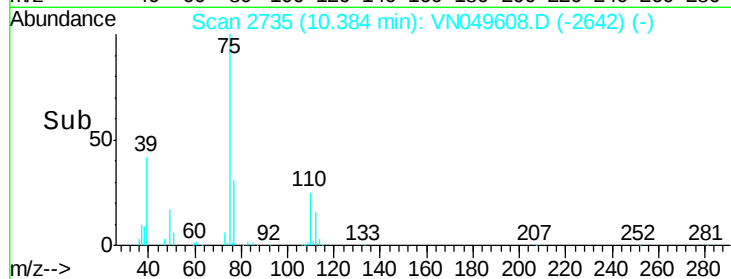
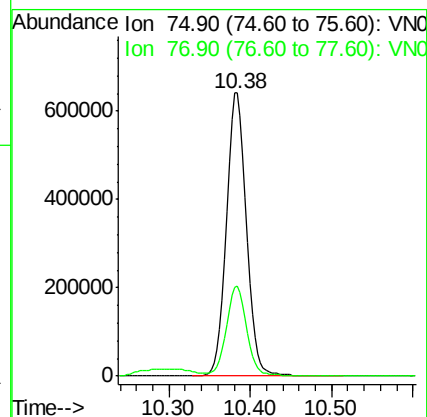
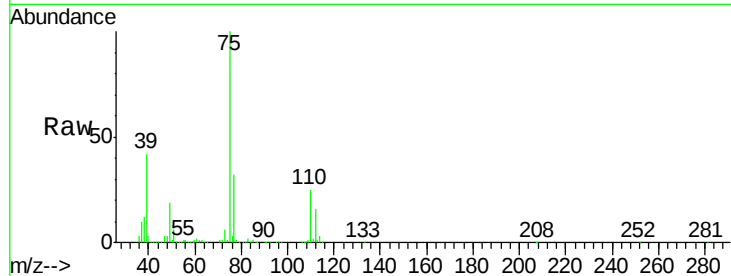
75 100

77 31.4 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 45.88 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

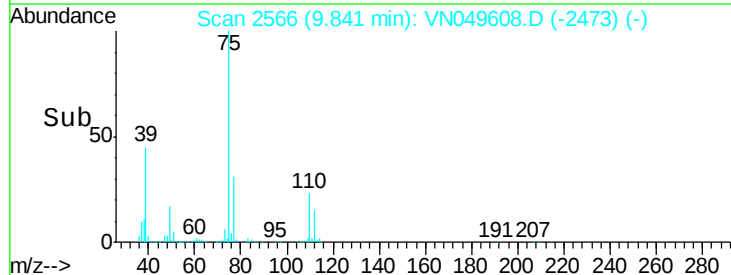
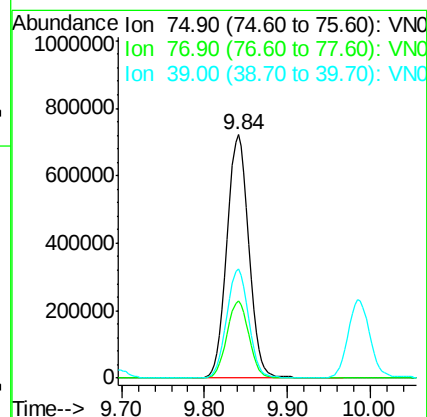
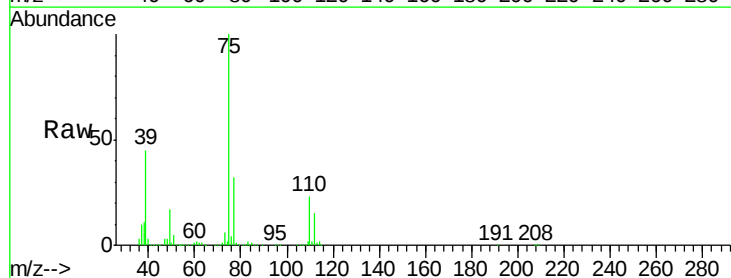
Tgt Ion: 75 Resp: 1323720

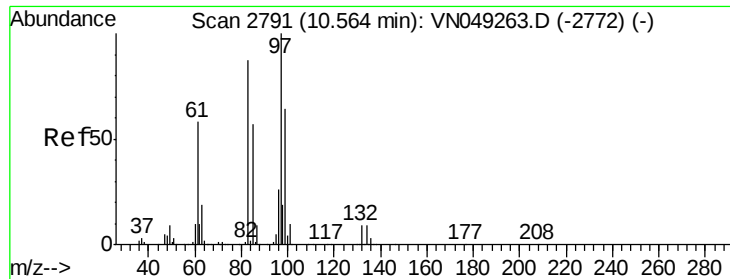
Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 44.7 45.1 67.7#





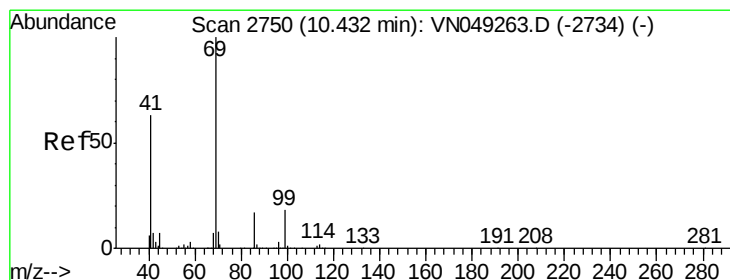
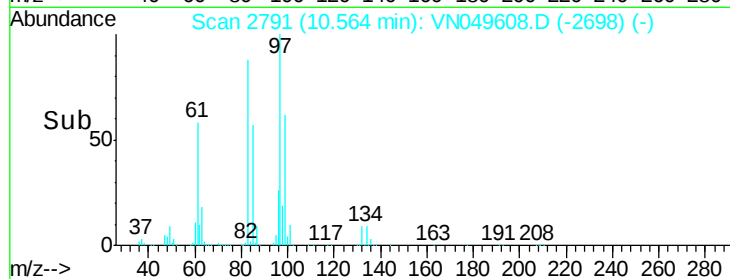
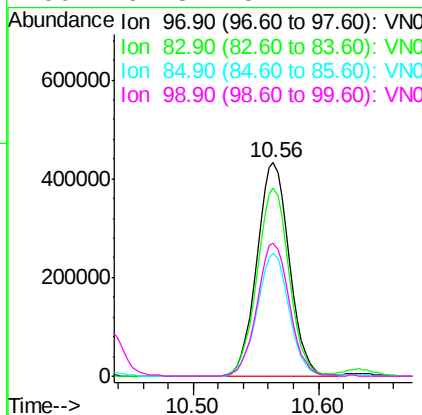
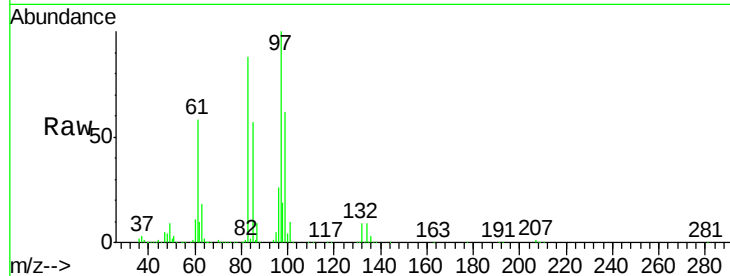
#55
 1,1,2-Trichloroethane
 Concen: 46.48 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.3	71.5	107.3
85	57.3	47.0	70.4
99	62.3	51.4	77.2

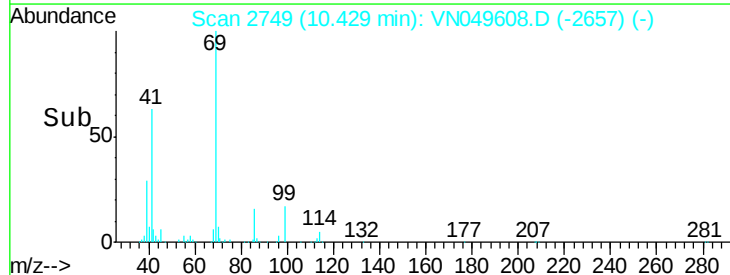
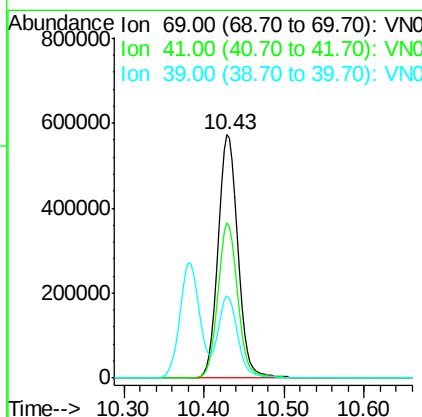
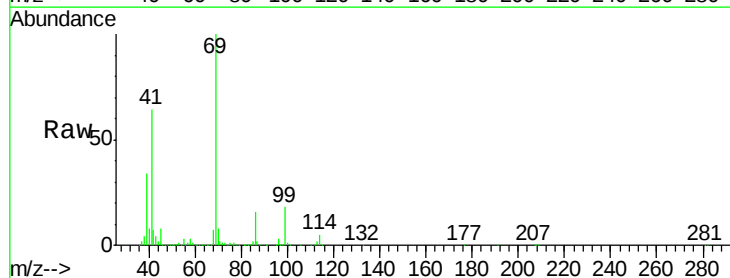
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 51.31 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.7	58.4	87.6
39	33.5	35.5	53.3#





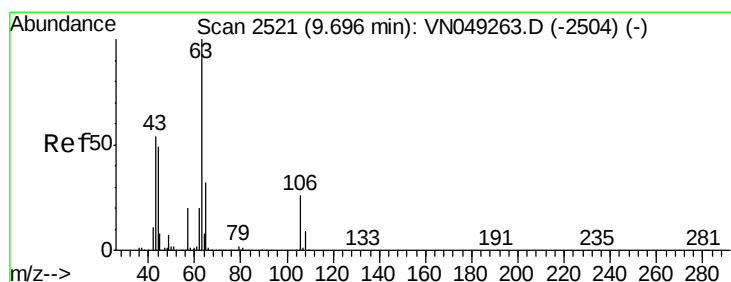
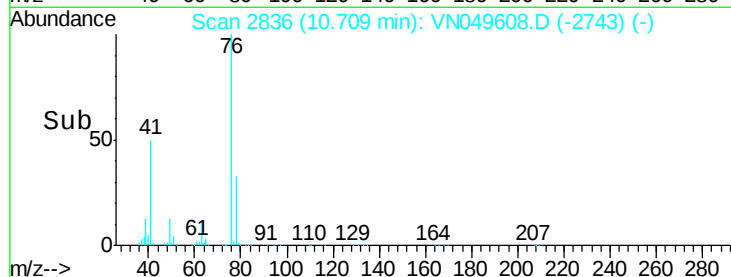
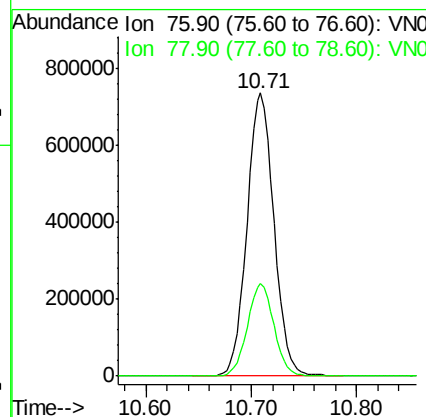
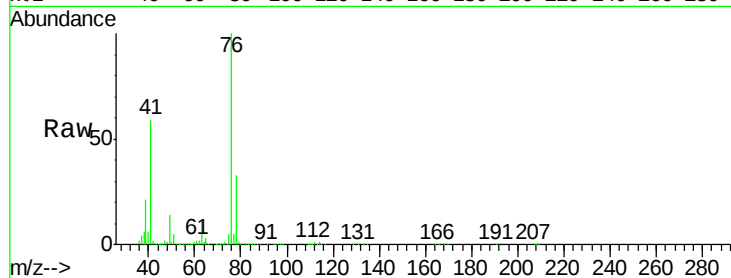
#57
 1,3-Dichloropropane
 Concen: 47.01 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 1304605
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.3 39.5

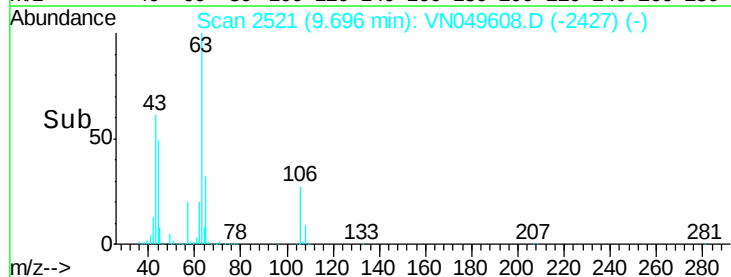
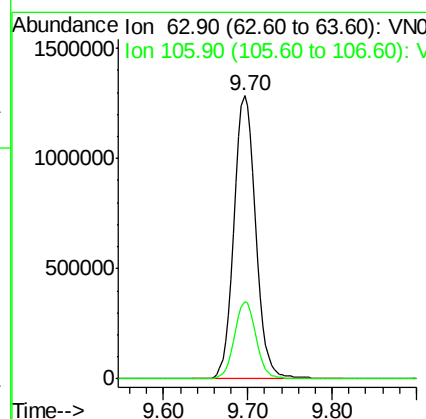
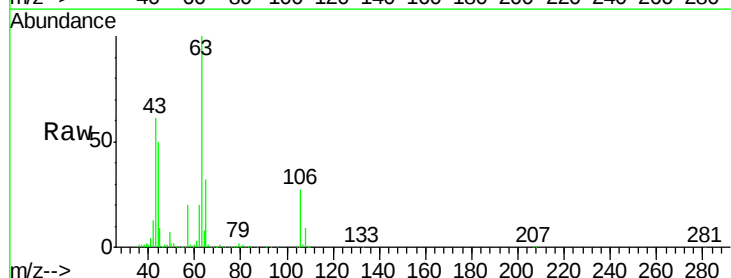
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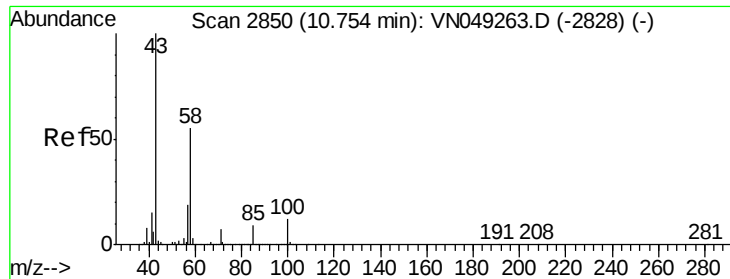
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#58
 2-Chloroethyl Vinyl ether
 Concen: 329.56 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion: 63 Resp: 2310332
 Ion Ratio Lower Upper
 63 100
 106 27.1 19.4 29.2





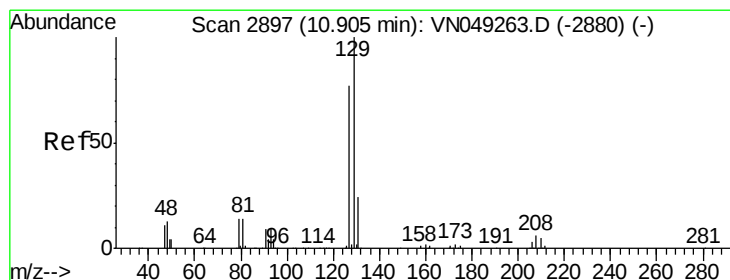
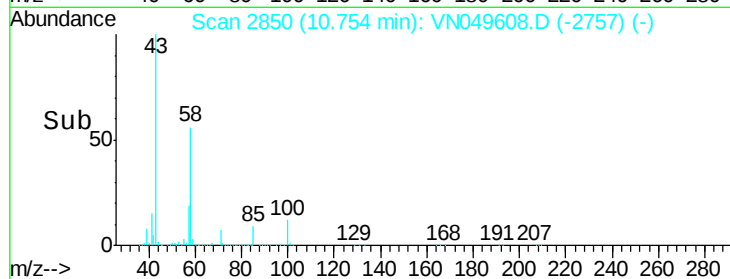
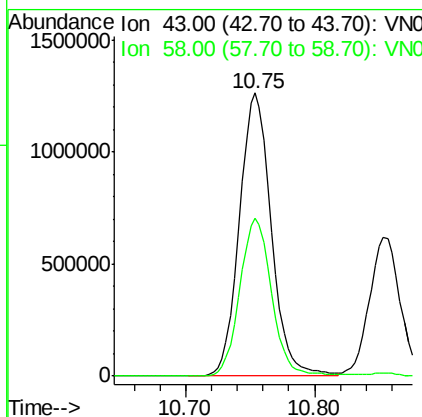
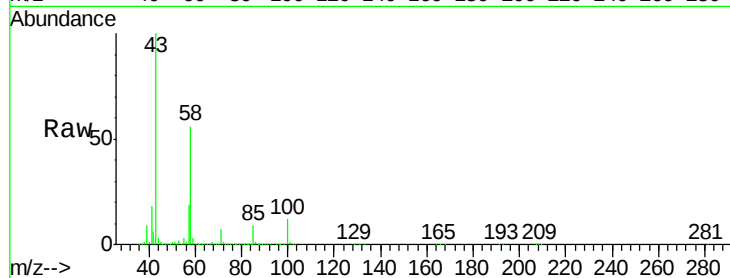
#59
2-Hexanone
Concen: 247.73 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2171239
Ion Ratio Lower Upper
43 100
58 55.7 25.2 75.6

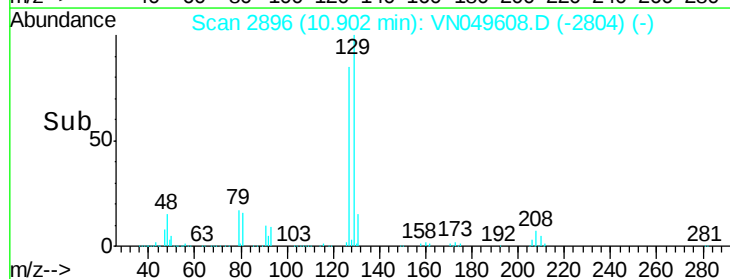
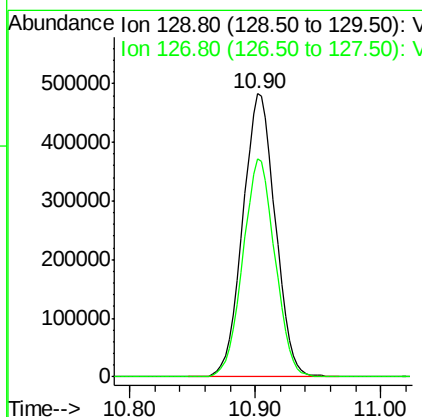
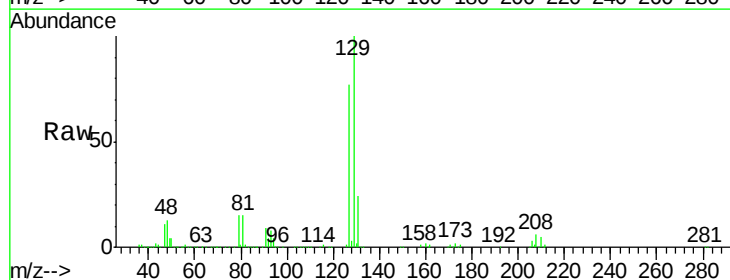
Manual Integrations
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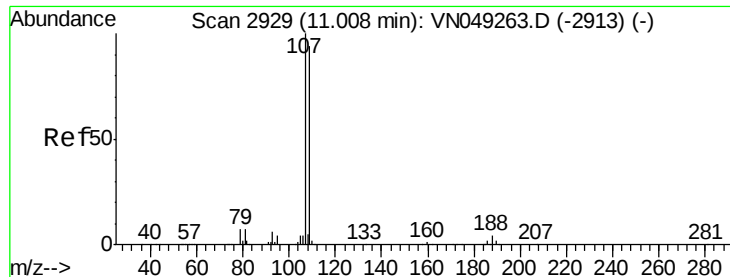
MMDadoda
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#60
Dibromochloromethane
Concen: 46.55 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 129 Resp: 870350
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.2





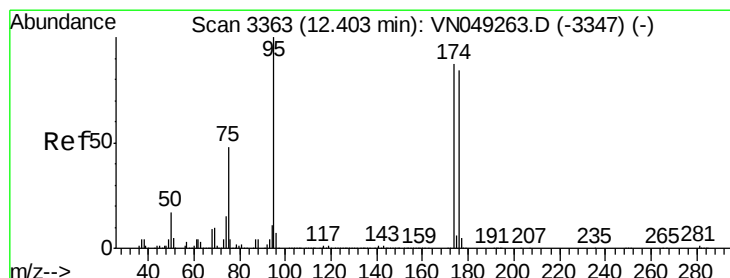
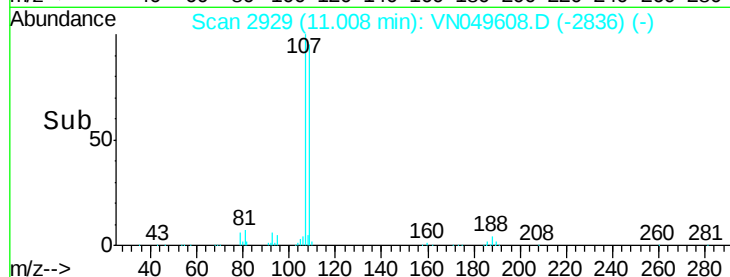
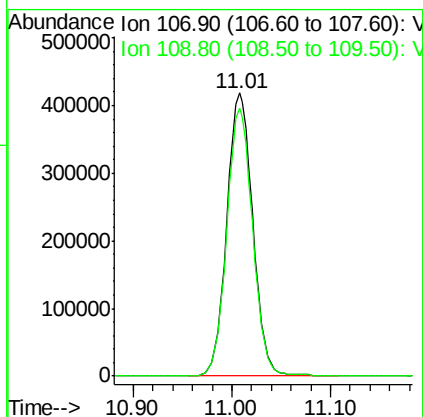
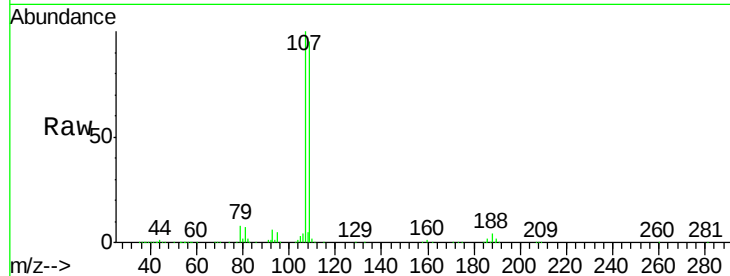
#61
 1,2-Dibromoethane
 Concen: 49.20 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 766034
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.4 113.2

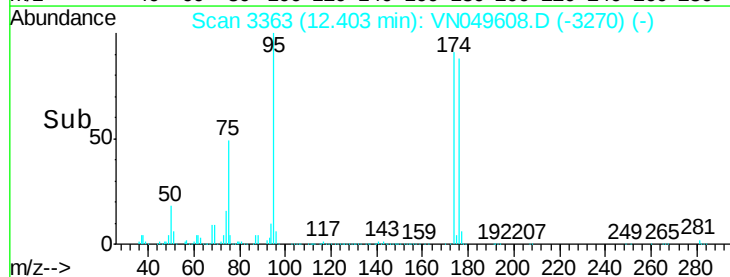
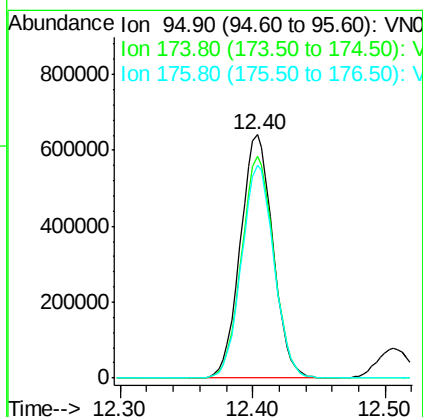
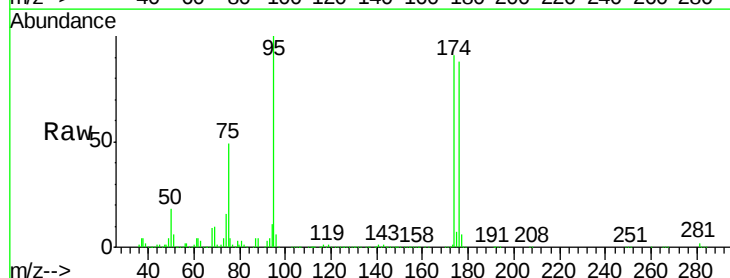
Manual Integrations
 APPROVED

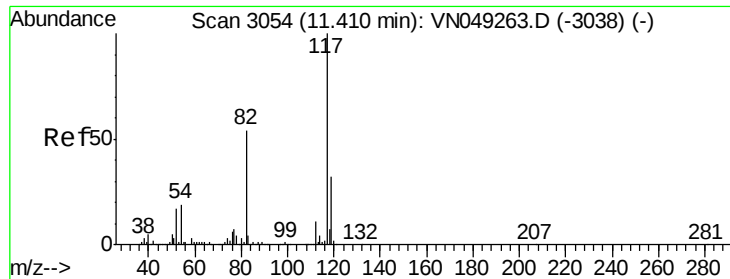
MMDadoda
 6/29/2018 1:46:47 PM



#62
 4-Bromofluorobenzene
 Concen: 49.01 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion: 95 Resp: 1087793
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 165.6
 176 87.6 0.0 157.4





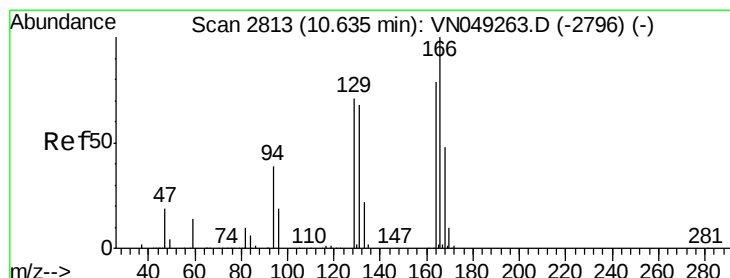
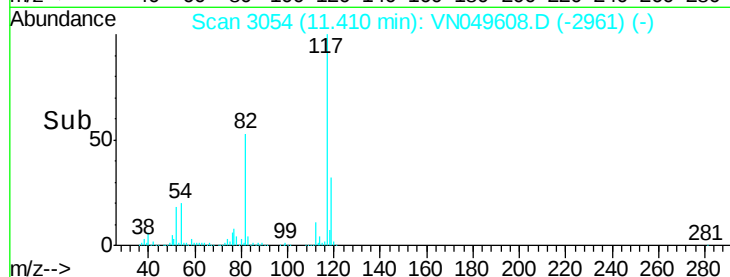
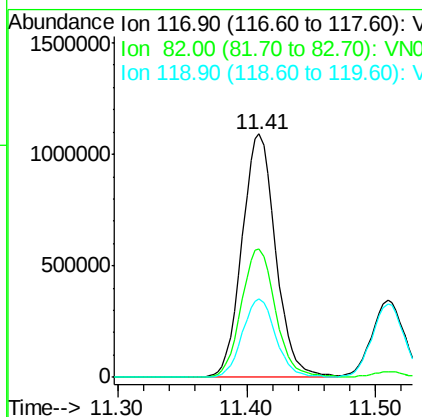
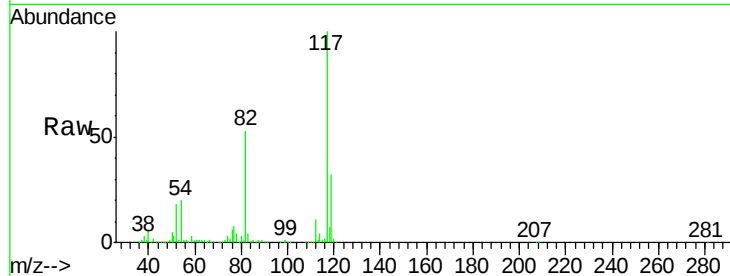
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:117 Resp: 1982896
Ion Ratio Lower Upper
117 100
82 52.7 45.9 68.9
119 32.2 25.5 38.3

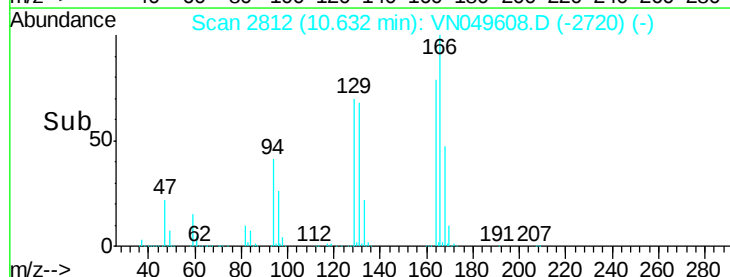
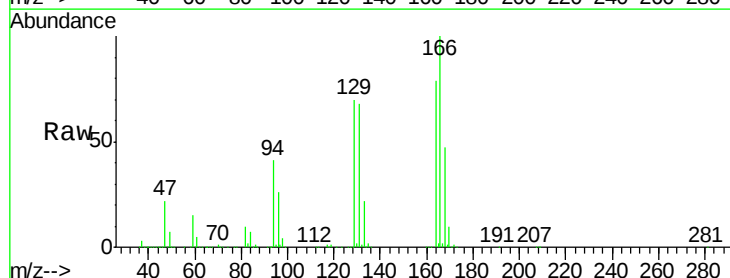
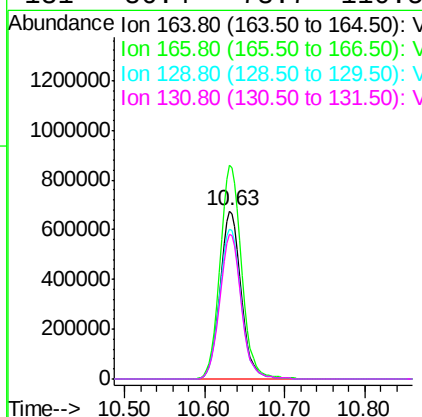
Manual Integrations
APPROVED

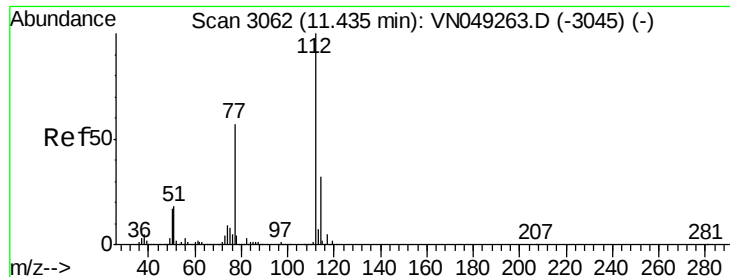
MMDadoda
6/29/2018 1:46:47 PM



#64
Tetrachloroethene
Concen: 60.78 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion:164 Resp: 1234871
Ion Ratio Lower Upper
164 100
166 127.1 101.4 152.2
129 89.3 74.1 111.1
131 86.4 73.7 110.5





#65

Chlorobenzene

Concen: 46.77 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2389221

Ion Ratio Lower Upper

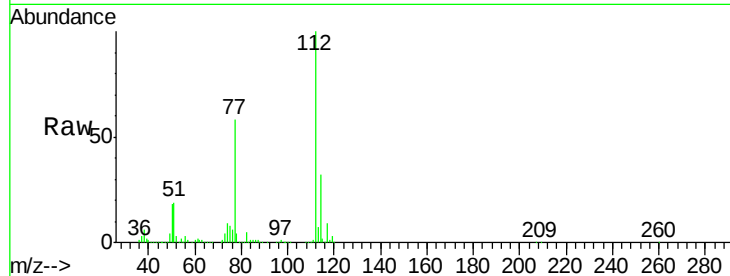
112 100

114 32.2 26.2 39.4

Manual Integrations
APPROVED

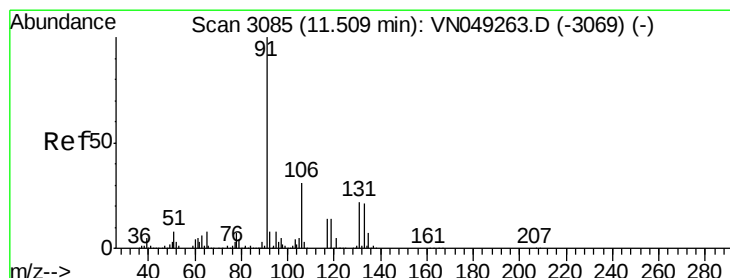
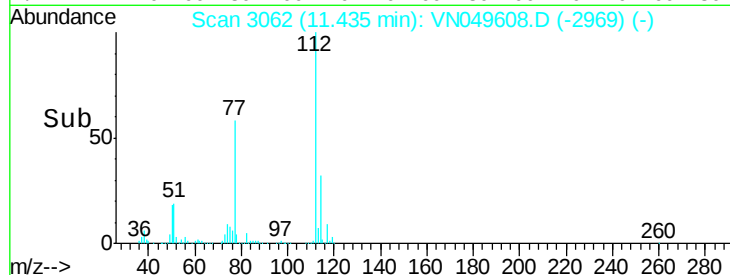
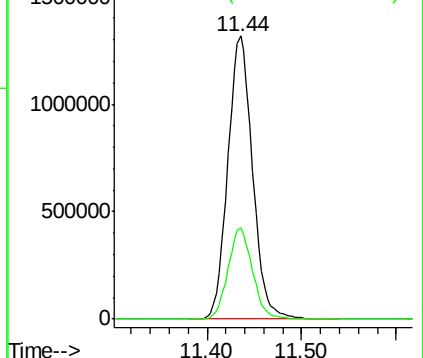
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 45.52 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

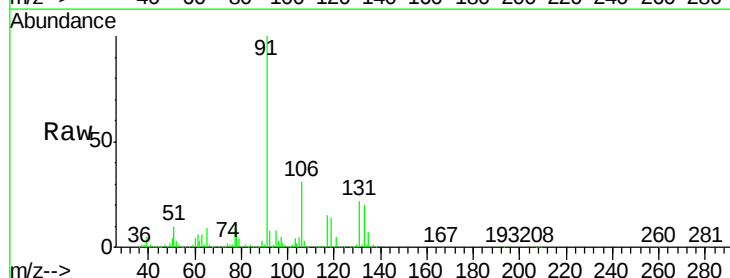
Tgt Ion:131 Resp: 875113

Ion Ratio Lower Upper

131 100

133 94.8 48.0 144.2

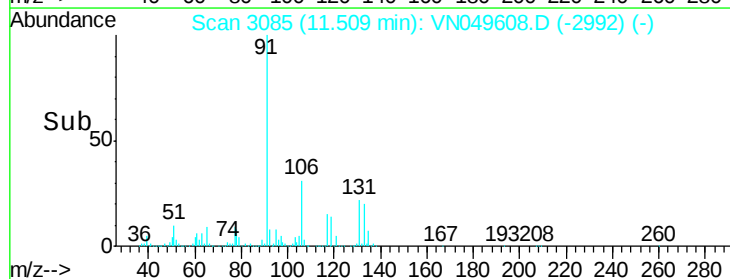
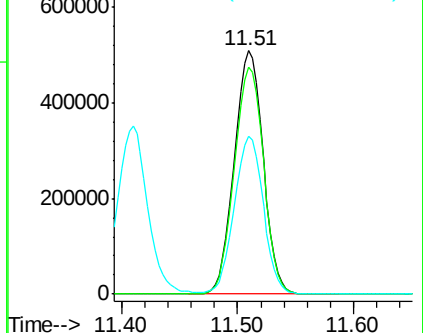
119 65.5 33.6 100.8

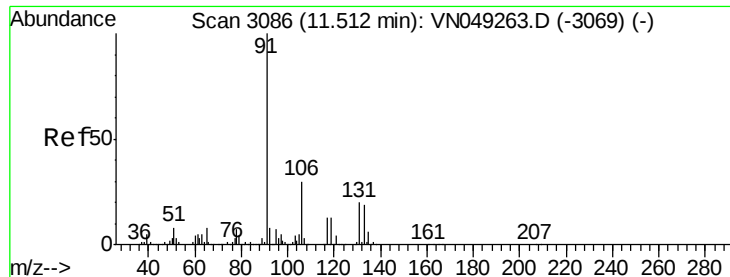


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 48.99 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 4151175

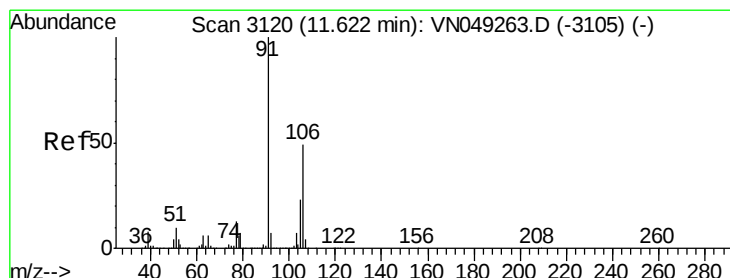
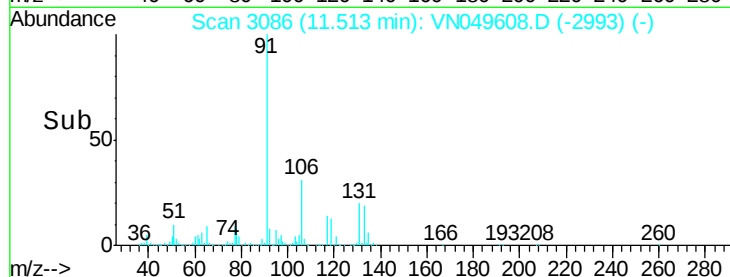
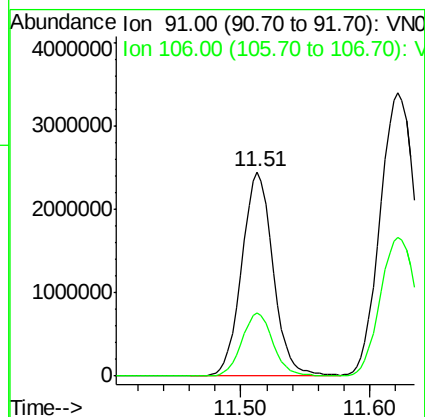
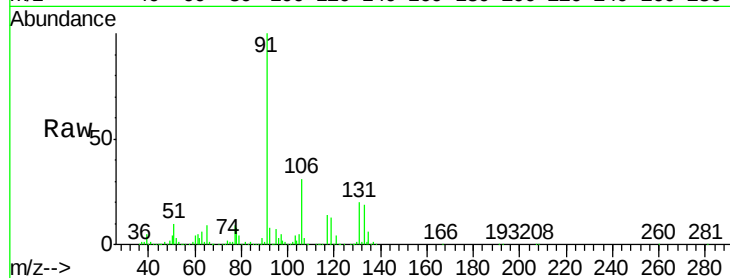
Ion Ratio Lower Upper

91 100

106 31.2 23.9 35.9

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 102.60 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049608.D

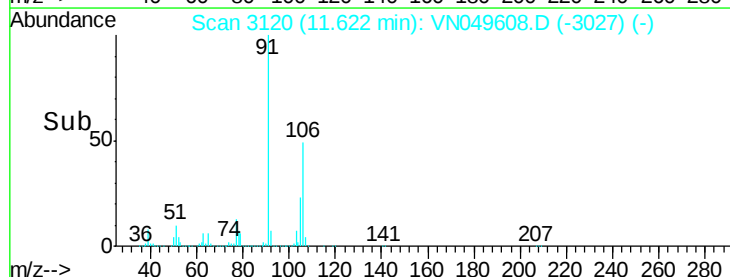
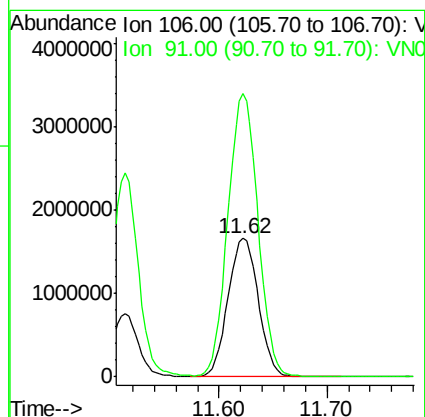
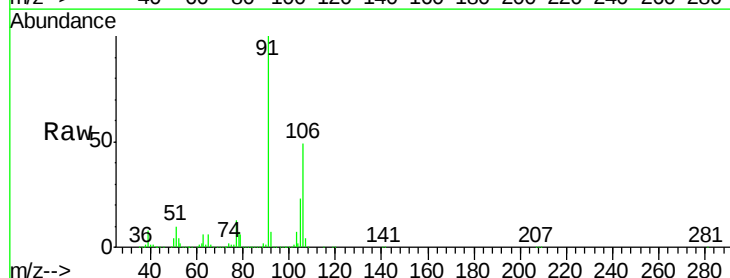
Acq: 28 Jun 2018 23:34

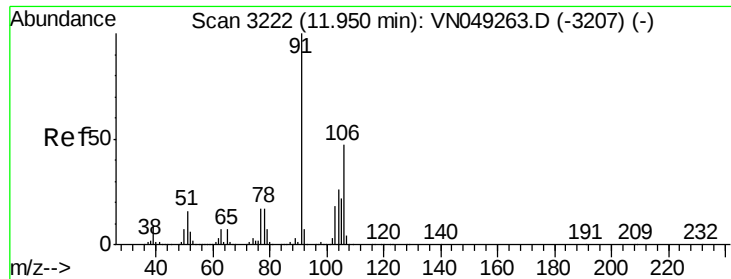
Tgt Ion: 106 Resp: 3262406

Ion Ratio Lower Upper

106 100

91 203.0 167.3 250.9





#69

o-Xylene

Concen: 51.31 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:106 Resp: 1571471

Ion Ratio Lower Upper

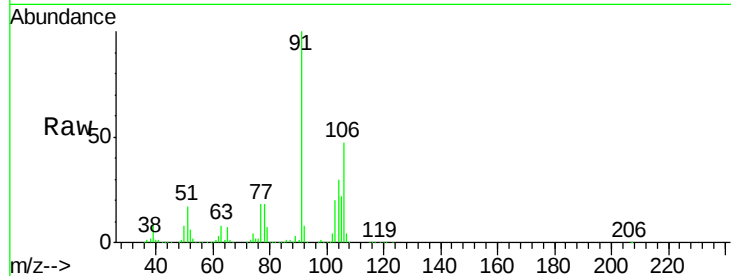
106 100

91 213.7 111.0 333.0

Manual Integrations
APPROVED

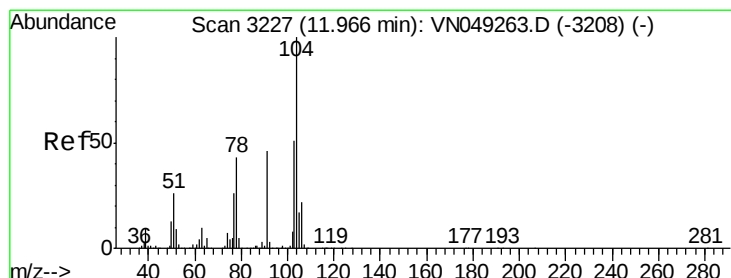
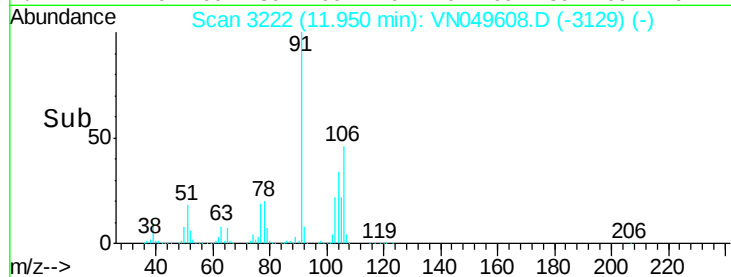
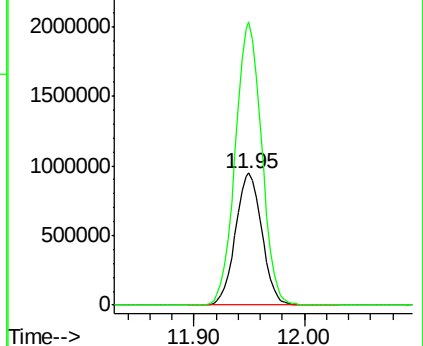
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 53.70 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

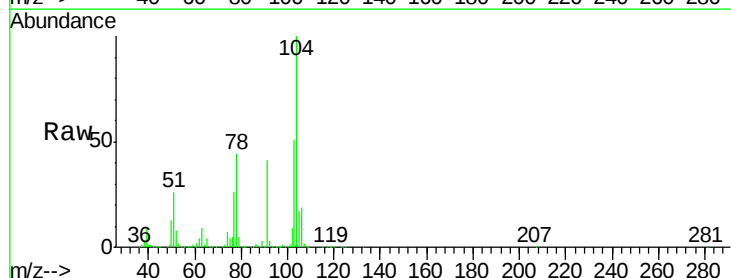
Tgt Ion:104 Resp: 2594576

Ion Ratio Lower Upper

104 100

78 48.8 41.6 62.4

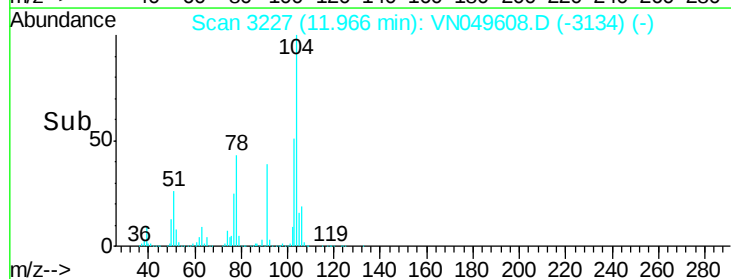
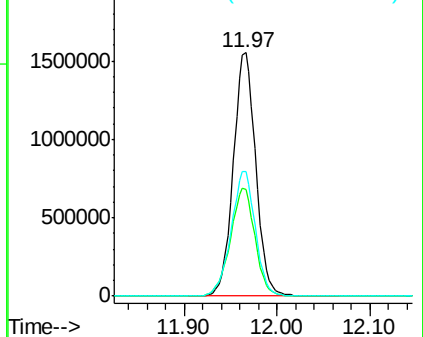
103 55.3 45.4 68.2

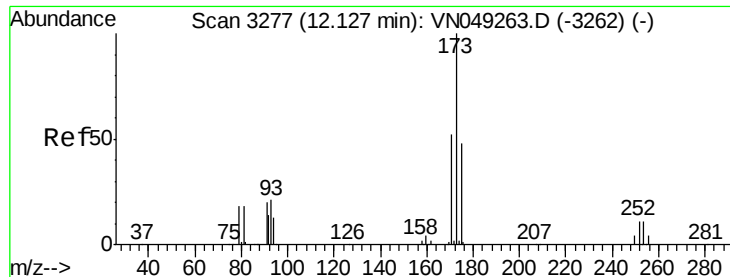


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





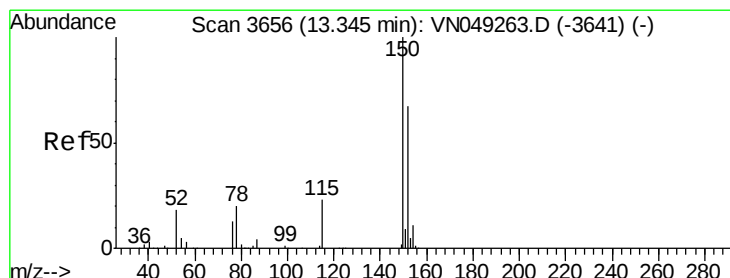
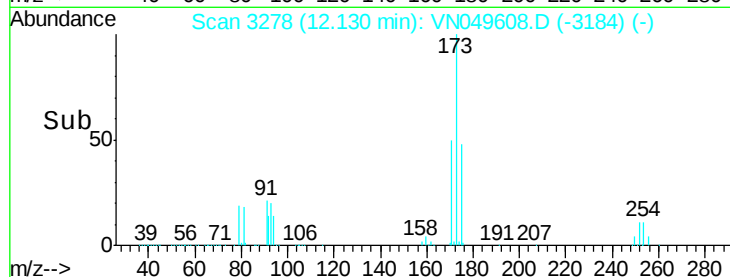
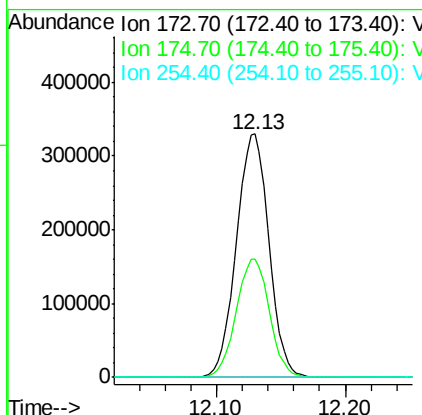
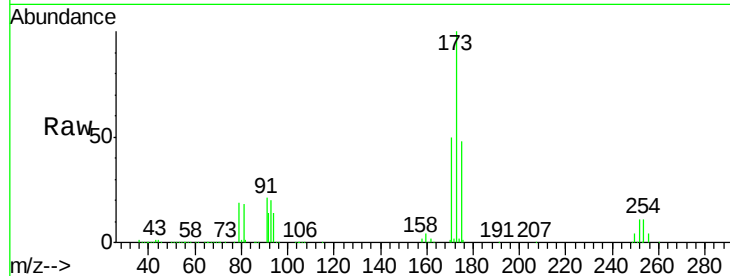
#71
Bromoform
Concen: 46.52 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.5	73.5
254	0.1	0.1	0.1#

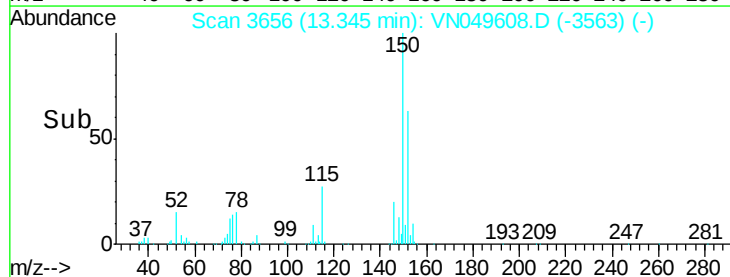
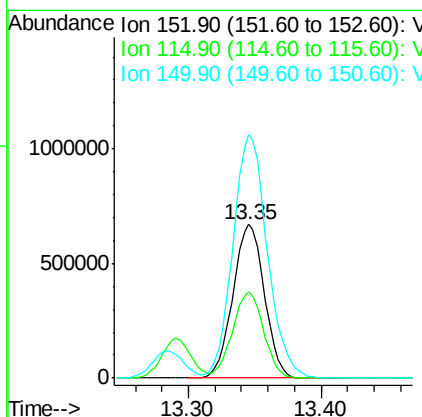
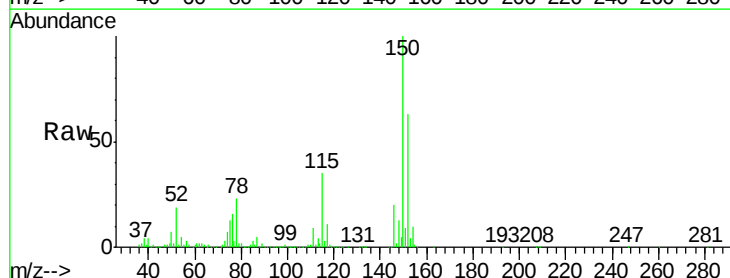
Manual Integrations
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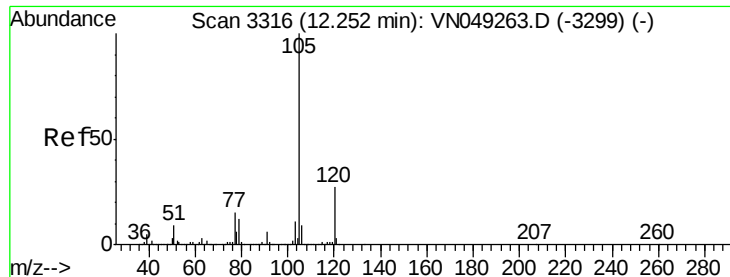
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.7	86.1
150	173.8	0.0	351.0





#73

Isopropylbenzene

Concen: 42.52 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 4104418

Ion Ratio Lower Upper

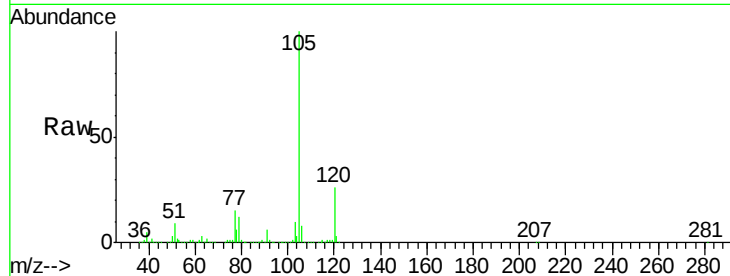
105 100

120 26.4 12.8 38.3

Manual Integrations
APPROVED

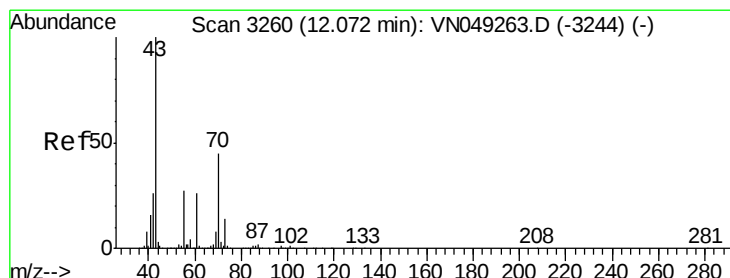
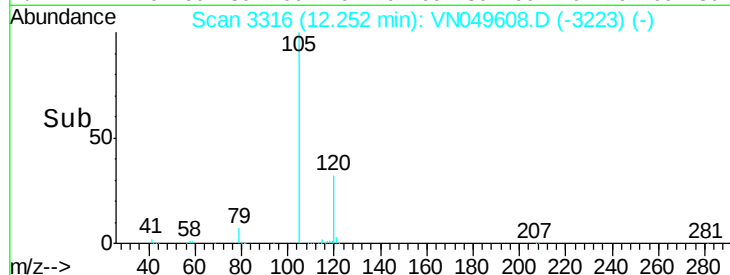
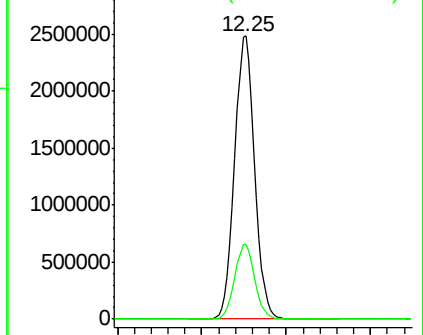
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.48 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Tgt Ion: 43 Resp: 1122494

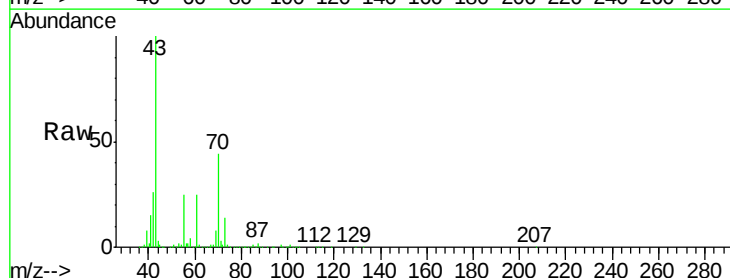
Ion Ratio Lower Upper

43 100

70 43.2 30.3 45.5

55 25.6 19.4 29.2

61 24.8 17.8 26.6

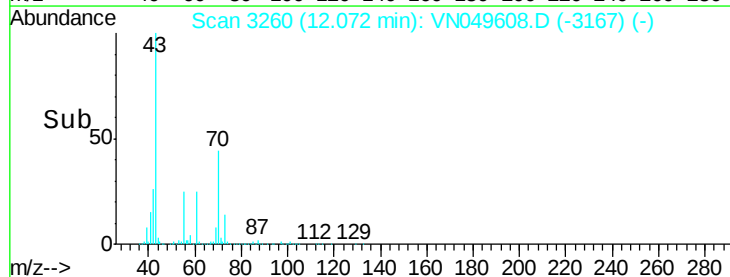
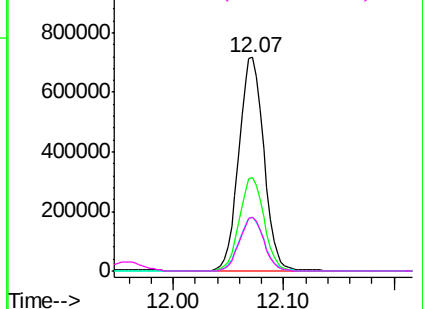


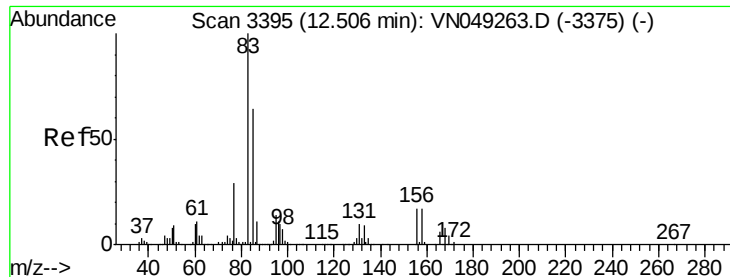
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 43.71 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 873482

Ion Ratio Lower Upper

83 100

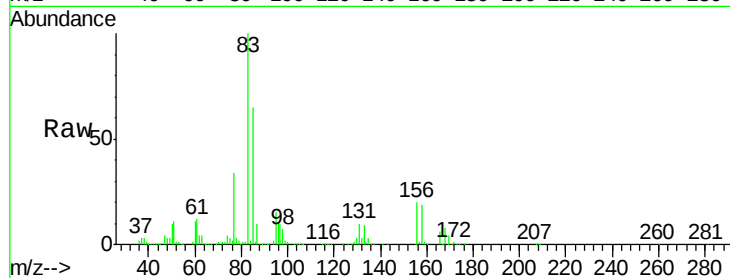
131 10.6 5.0 15.0

85 64.4 32.0 96.0

Manual Integrations
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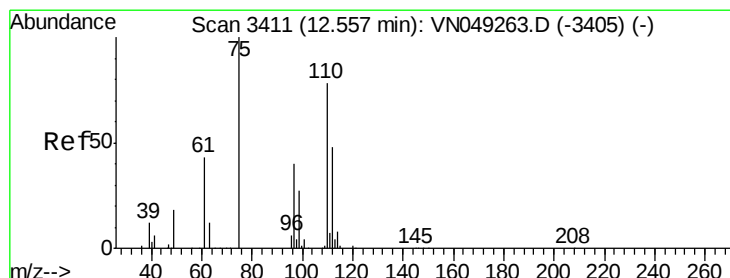
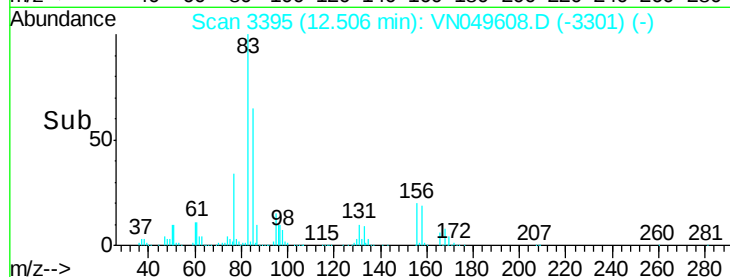
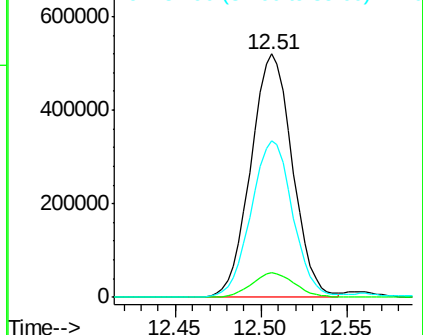
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Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 42.44 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049608.D

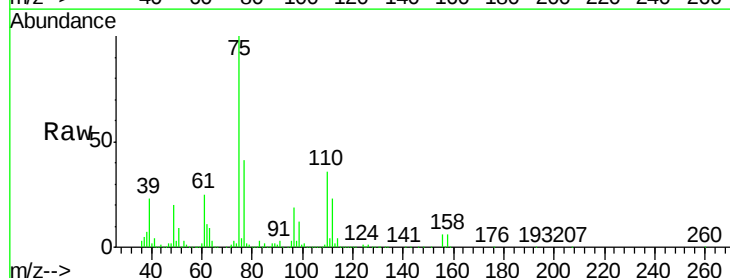
Acq: 28 Jun 2018 23:34

Tgt Ion: 75 Resp: 796034

Ion Ratio Lower Upper

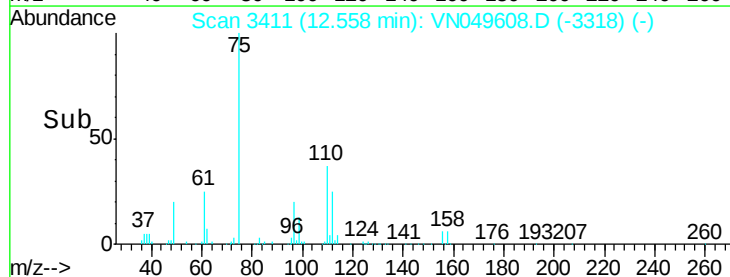
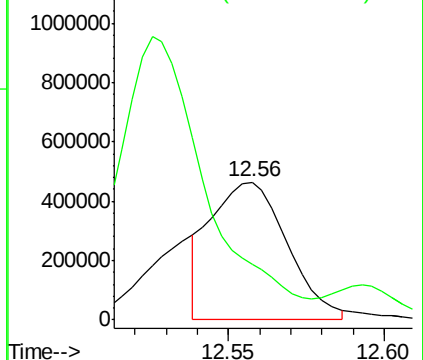
75 100

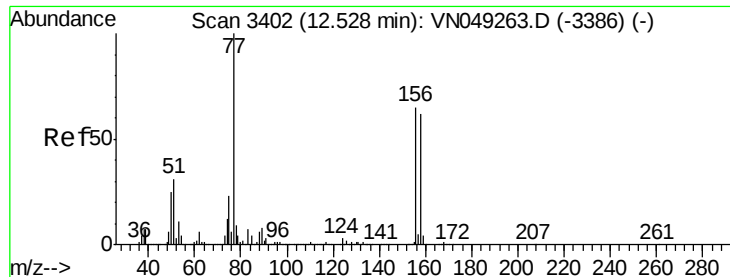
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 41.54 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 1059013

Ion Ratio Lower Upper

156 100

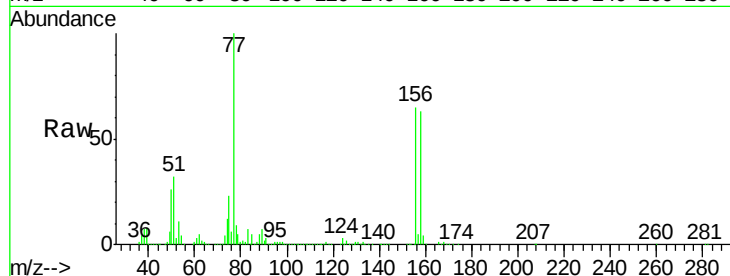
77 178.6 100.8 302.4

158 97.1 49.3 147.9

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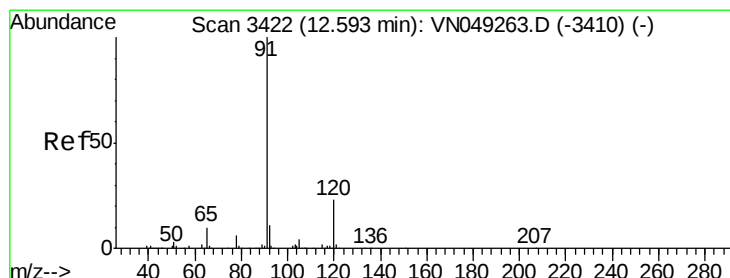
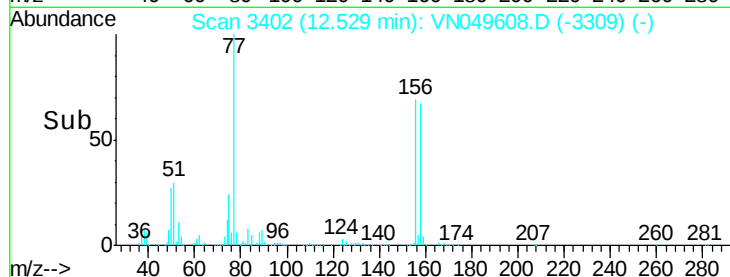
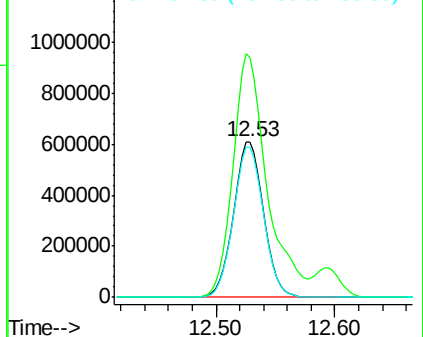
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.58 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049608.D

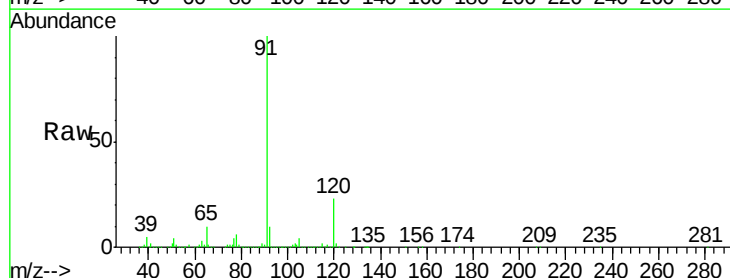
Acq: 28 Jun 2018 23:34

Tgt Ion: 91 Resp: 4830080

Ion Ratio Lower Upper

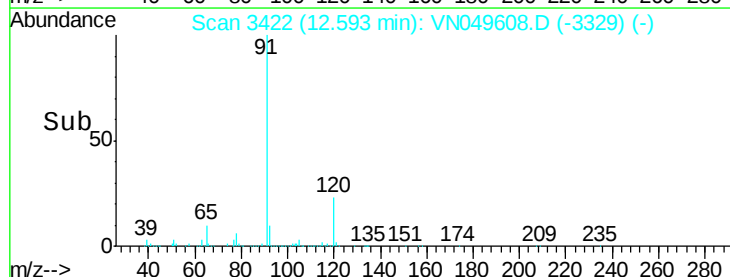
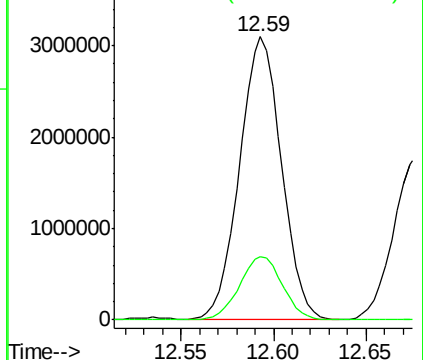
91 100

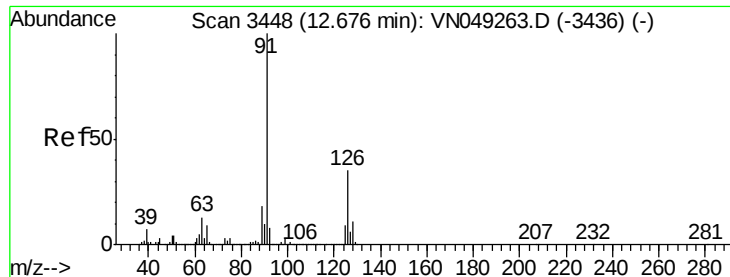
120 22.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 42.94 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2883523

Ion Ratio Lower Upper

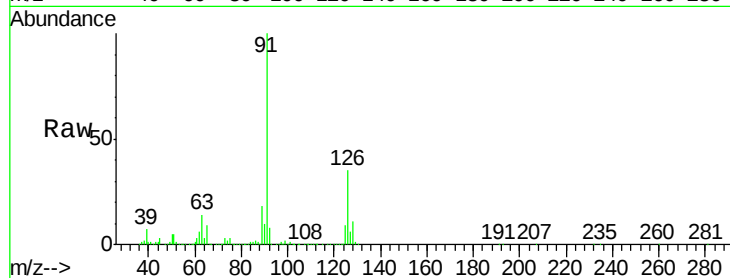
91 100

126 34.9 16.6 49.8

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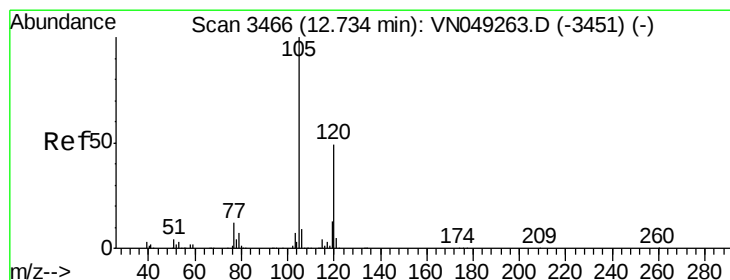
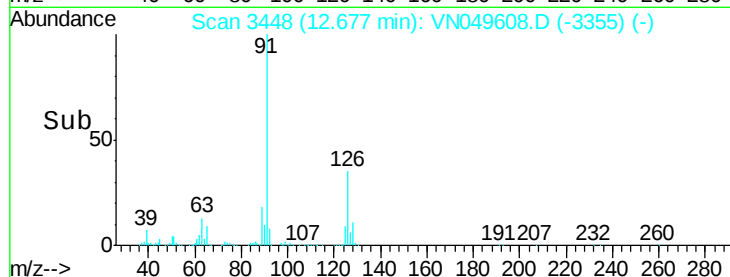
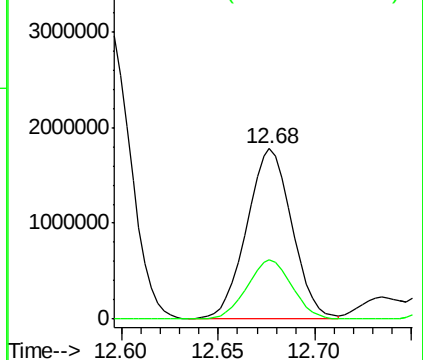
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Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049263.D (-3436) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.70 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049608.D

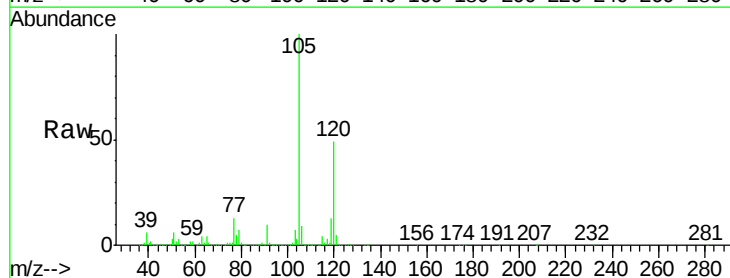
Acq: 28 Jun 2018 23:34

Tgt Ion: 105 Resp: 3542732

Ion Ratio Lower Upper

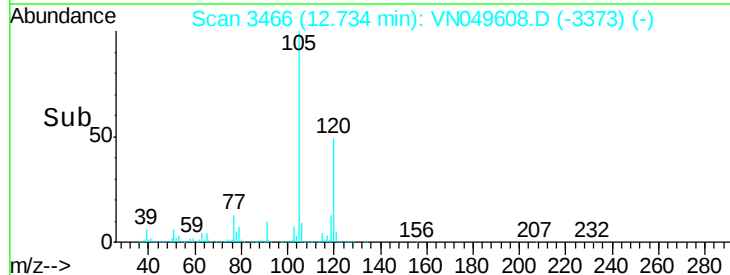
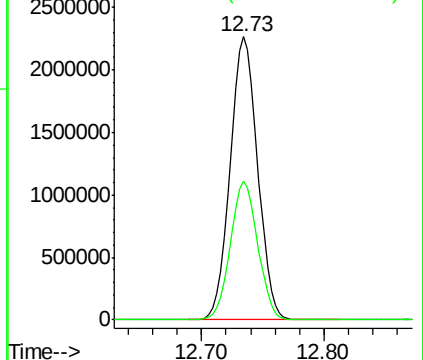
105 100

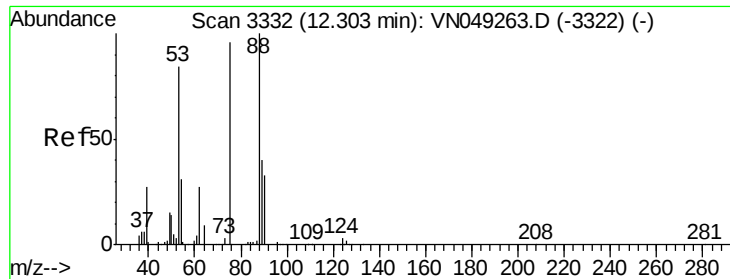
120 48.9 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 37.72 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

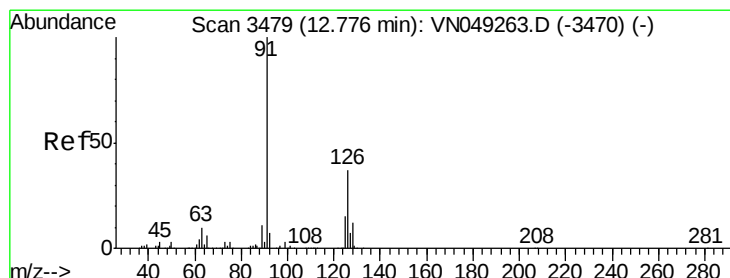
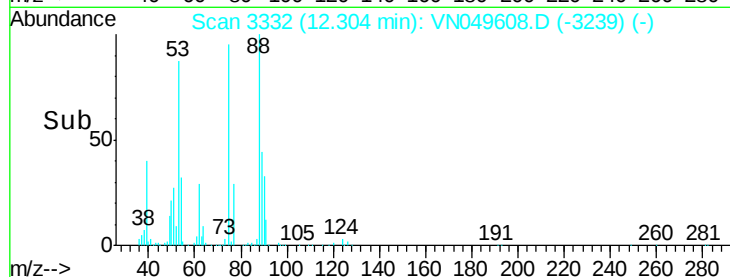
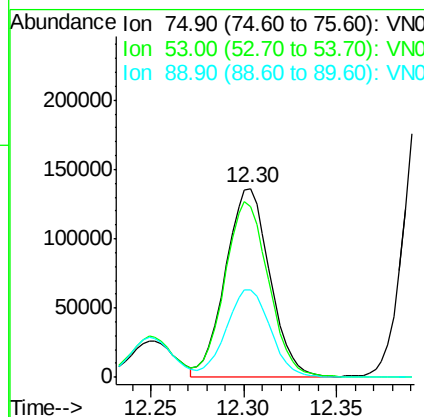
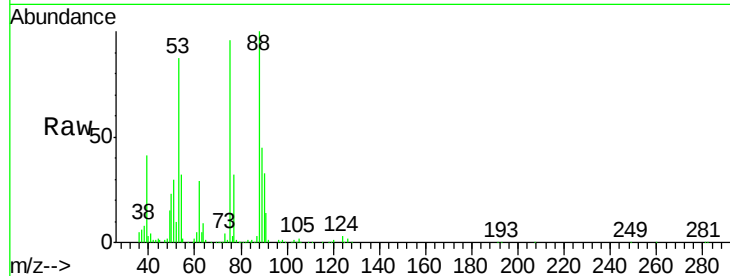
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	223833
Ion	Ratio	Lower	Upper
75	100		
53	93.2	82.7	124.1
89	46.7	36.5	54.7

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#82

4-Chlorotoluene

Concen: 45.13 ug/l

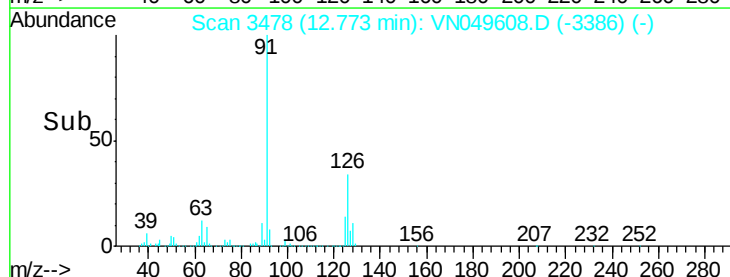
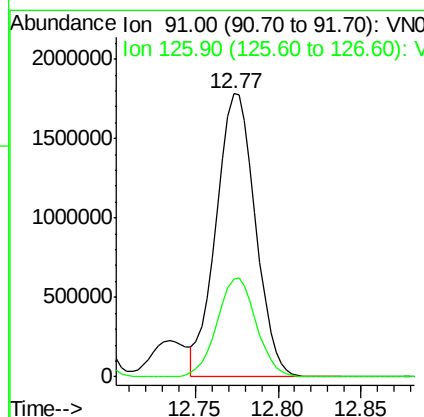
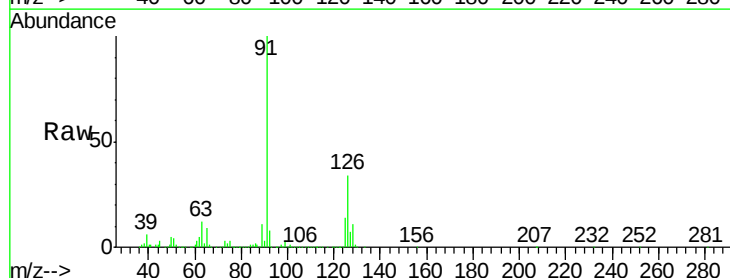
RT: 12.77 min Scan# 3478

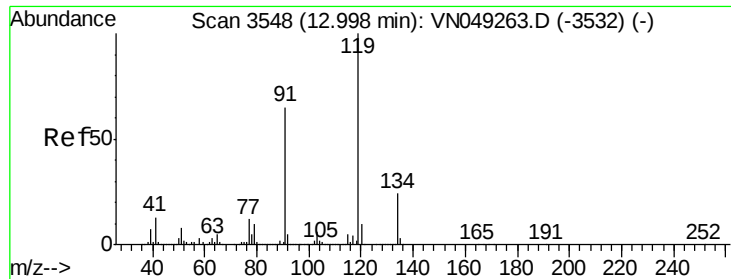
Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Tgt Ion:	91	Resp:	2923285
Ion	Ratio	Lower	Upper
91	100		
126	34.8	16.4	49.1





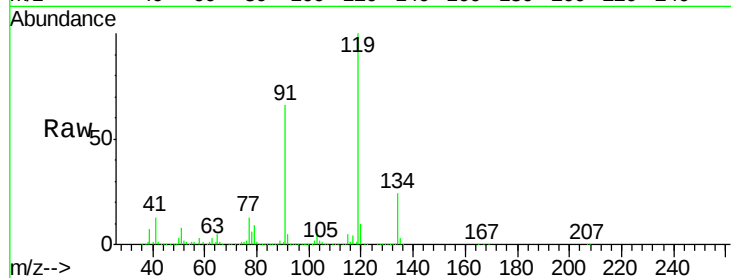
#83
 tert-Butylbenzene
 Concen: 43.45 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

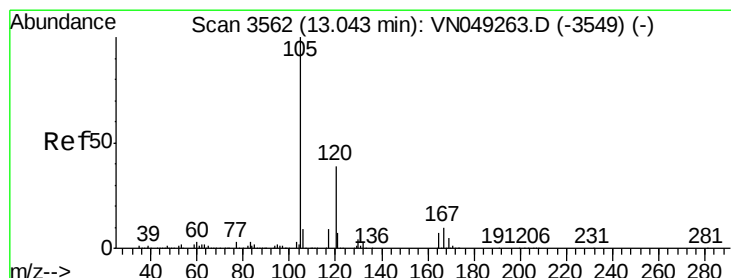
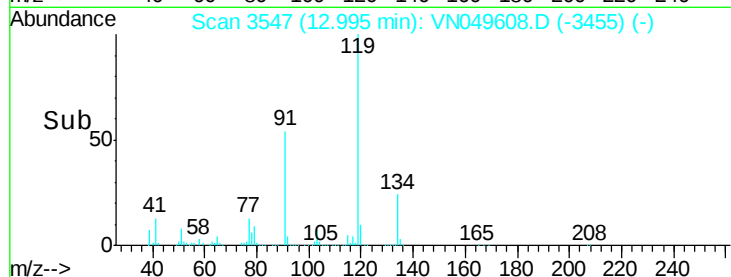
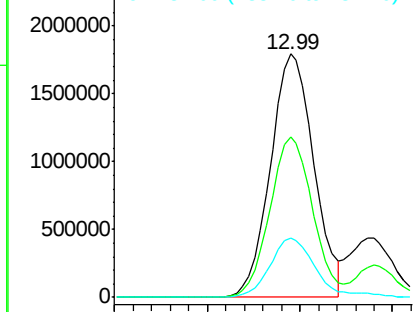
Tot Ion:119 Resp: 2920116
 Ion Ratio Lower Upper
 119 100
 91 65.1 33.7 101.0
 134 25.7 12.9 38.6

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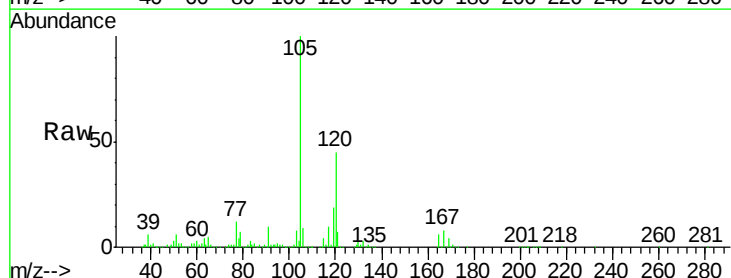


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

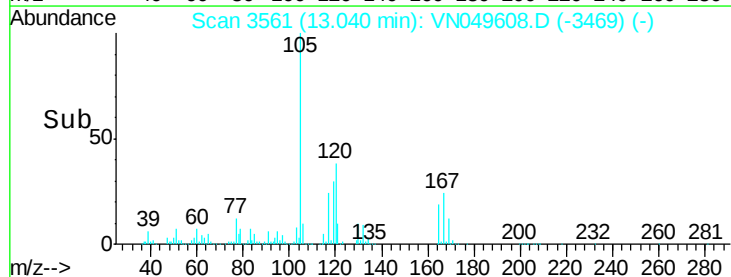
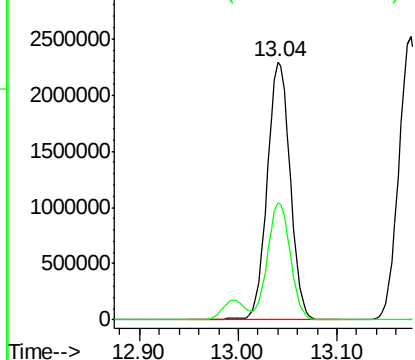


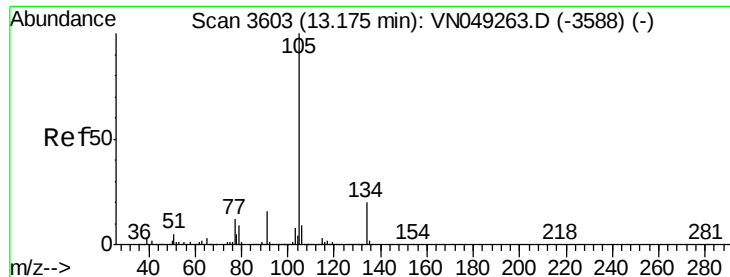
#84
 1,2,4-Trimethylbenzene
 Concen: 48.65 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion:105 Resp: 3666533
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 44.46 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3977320

Ion Ratio Lower Upper

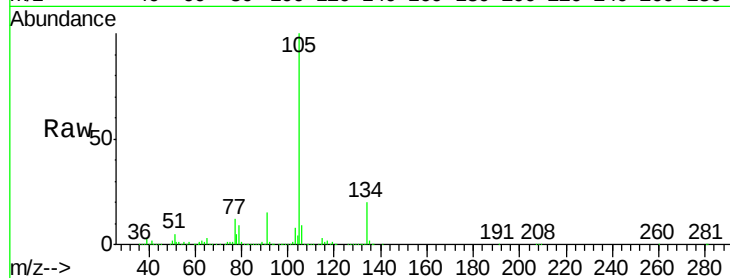
105 100

134 20.3 9.8 29.3

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

3000000

2500000

2000000

1500000

1000000

500000

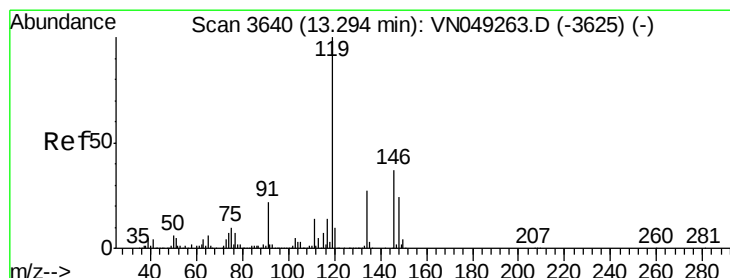
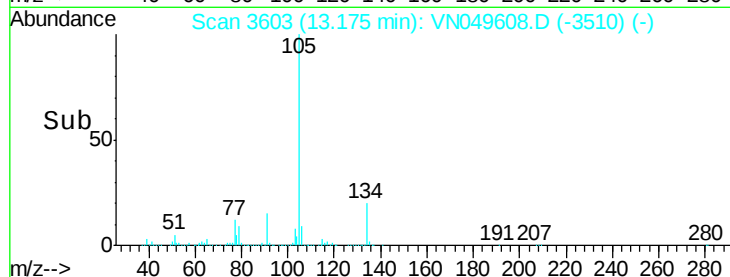
0

13.10

13.17

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 47.27 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049608.D

Acq: 28 Jun 2018 23:34

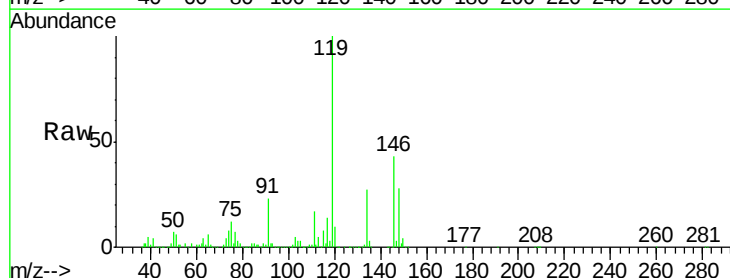
Tgt Ion:119 Resp: 3532869

Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.6

91 22.6 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

3000000

2500000

2000000

1500000

1000000

500000

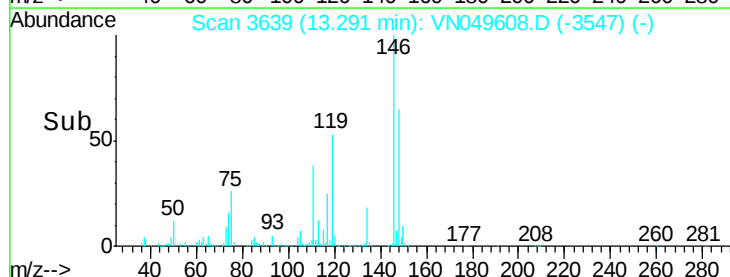
0

13.25

13.29

13.35

Time-->





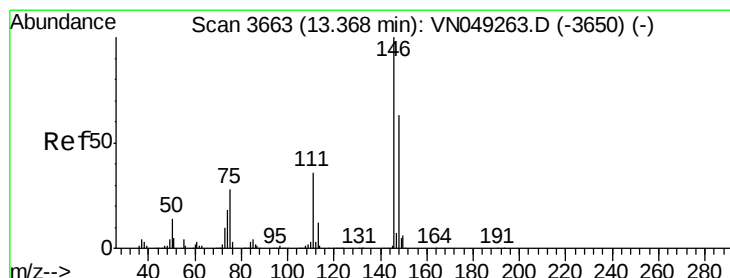
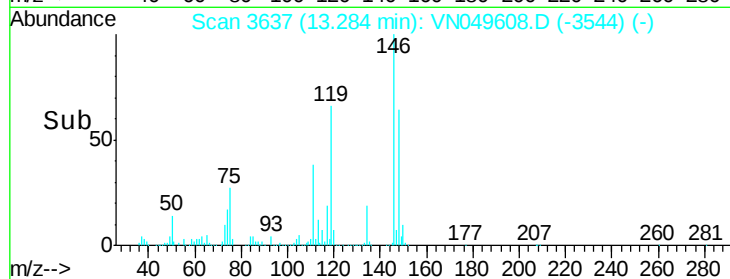
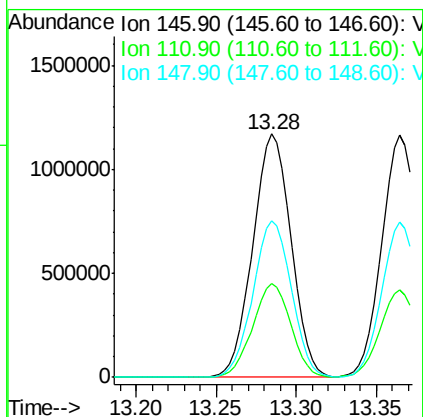
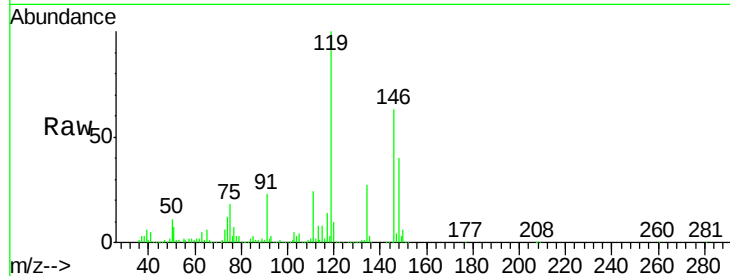
#87
 1,3-Dichlorobenzene
 Concen: 46.21 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.9	59.6
148	64.4	32.1	96.5

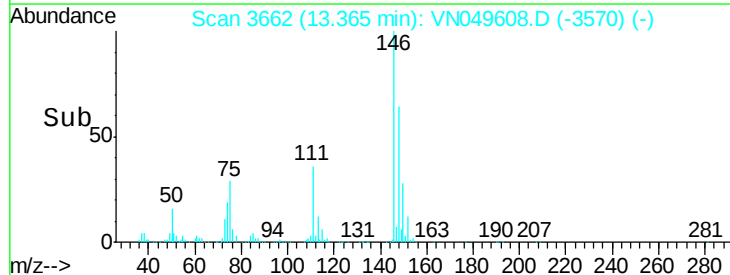
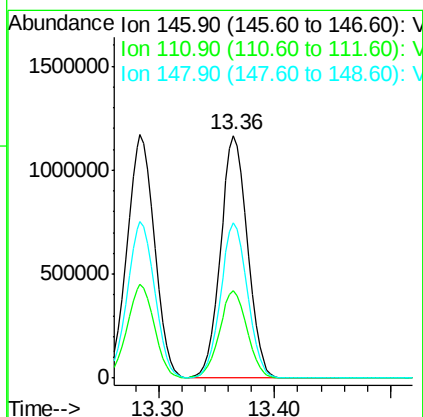
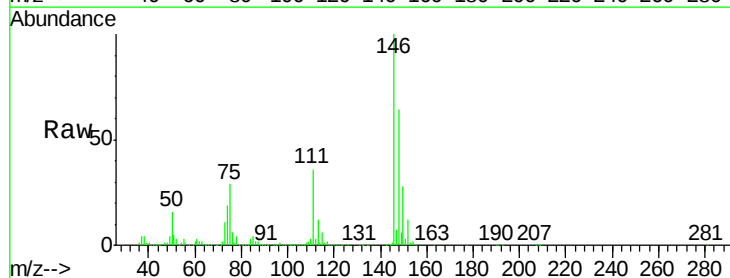
Manual Integrations
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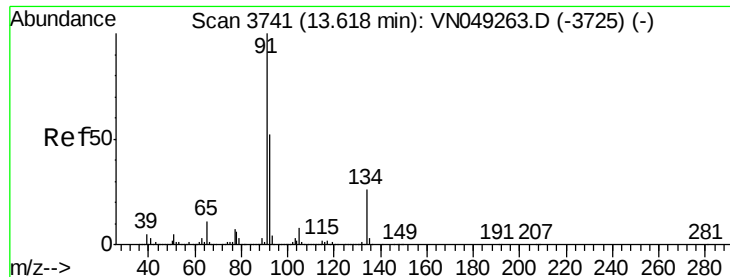
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#88
 1,4-Dichlorobenzene
 Concen: 45.19 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.1	57.1
148	63.9	32.0	96.2





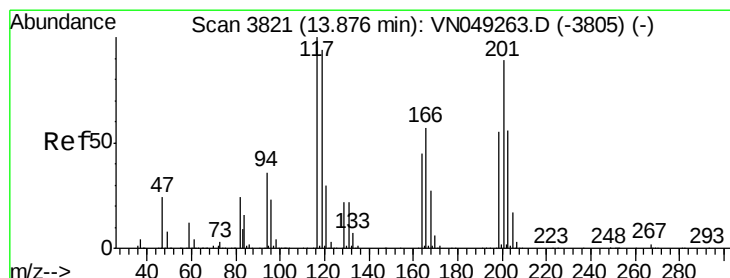
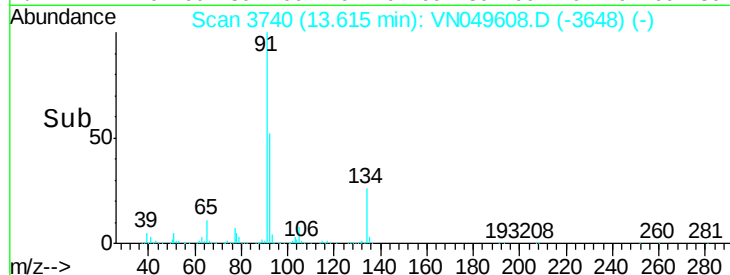
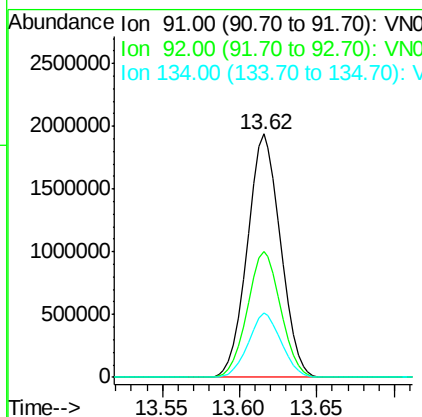
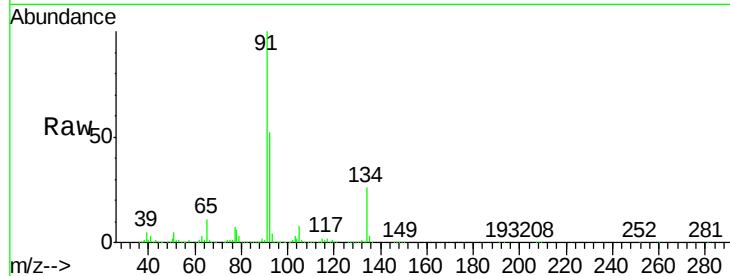
#89
n-Butylbenzene
Concen: 49.60 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.1	75.4
134	26.1	12.0	36.0

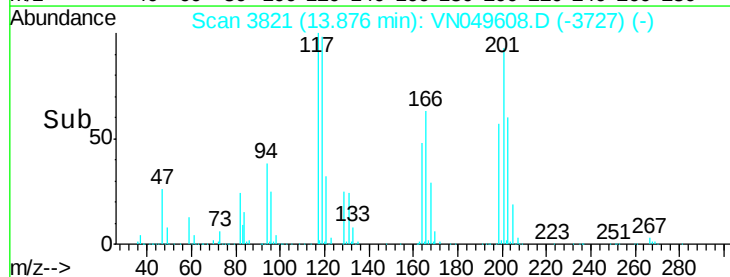
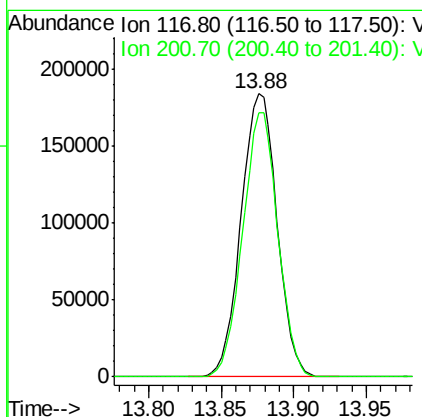
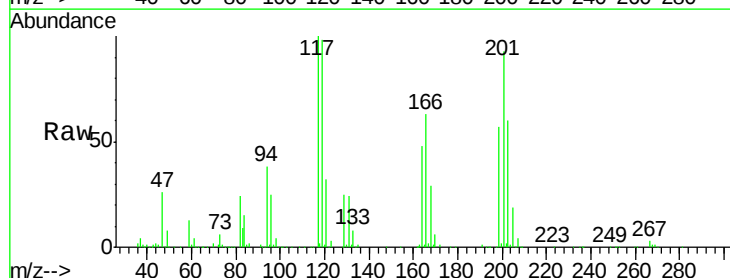
Manual Integrations
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#90
Hexachloroethane
Concen: 21.41 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.5	40.1	120.2





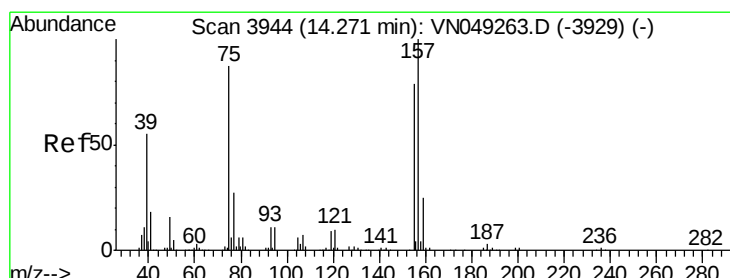
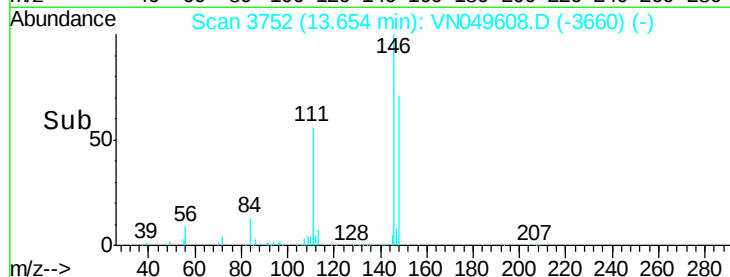
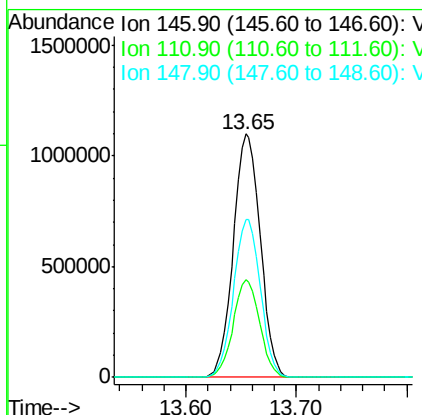
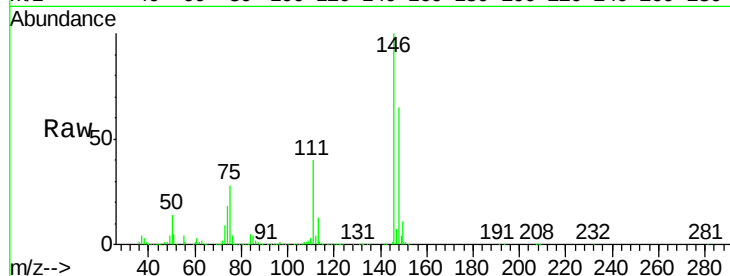
#91
 1,2-Dichlorobenzene
 Concen: 45.35 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.8	62.2
148	64.4	32.0	96.2

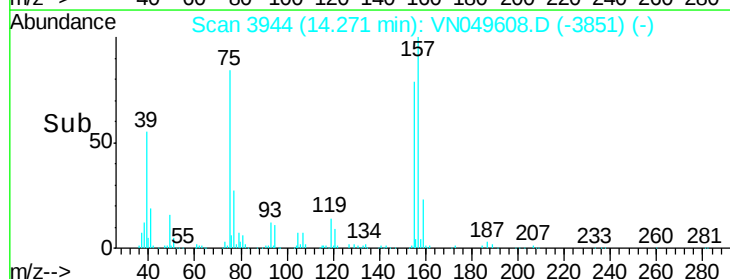
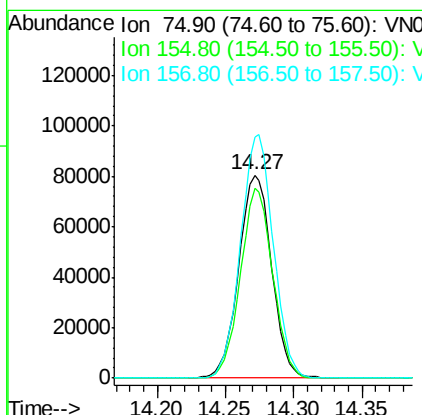
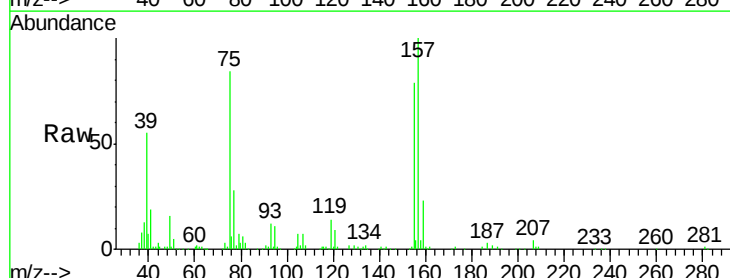
Manual Integrations
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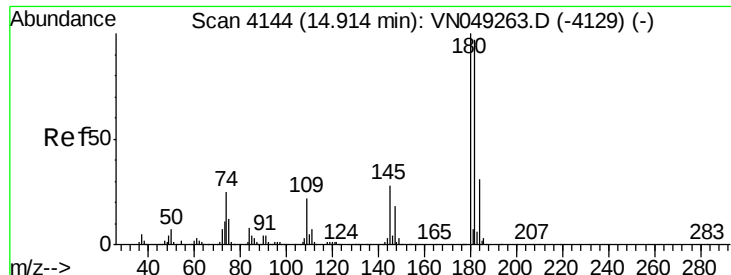
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.93 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	38.8	116.3
157	120.1	51.0	153.1





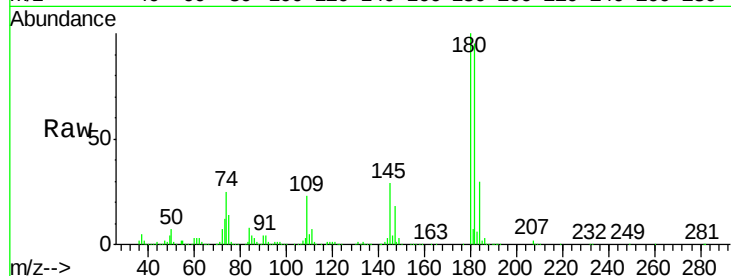
#93
 1,2,4-Trichlorobenzene
 Concen: 45.50 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

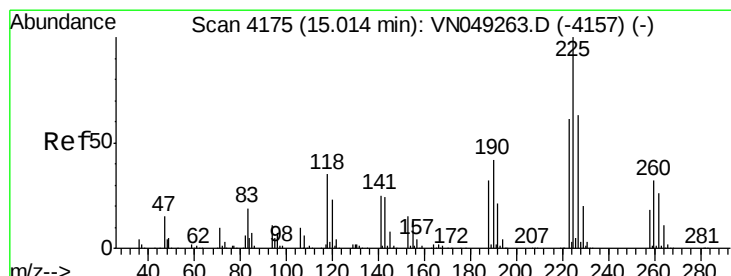
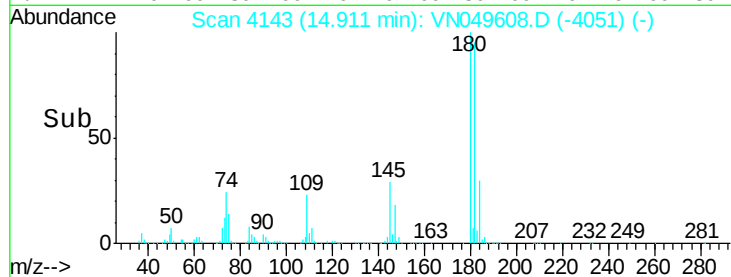
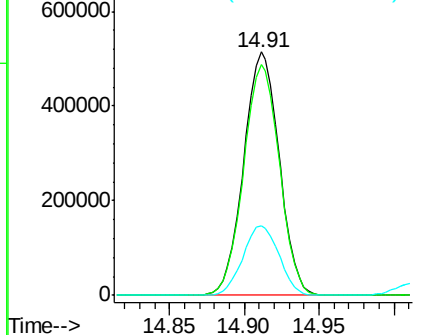
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	46.9	140.8	
145	29.1	14.7	44.1	

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 1:46:47 PM

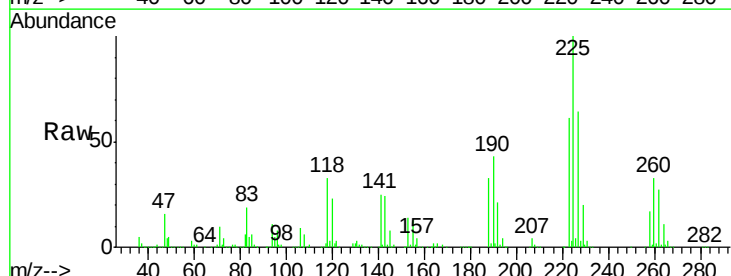


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

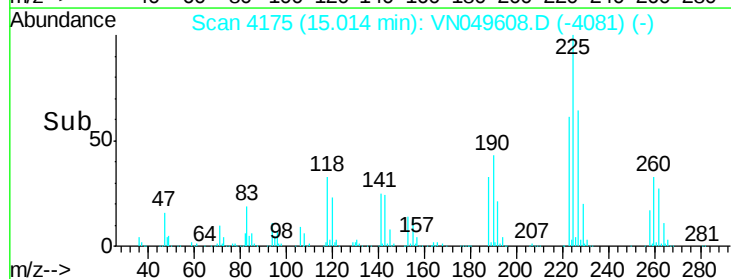
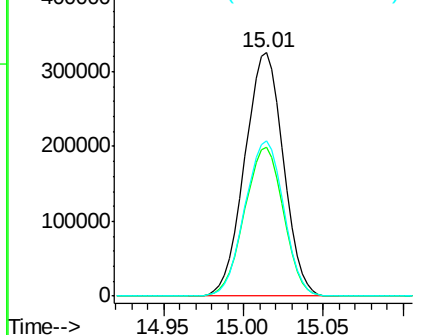


#94
 Hexachlorobutadiene
 Concen: 44.46 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049608.D
 Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.6	32.1	96.3	
227	64.0	31.8	95.3	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





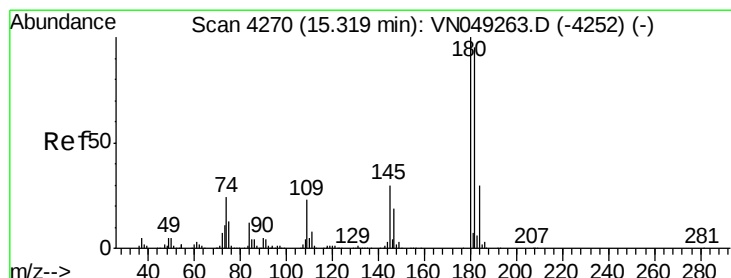
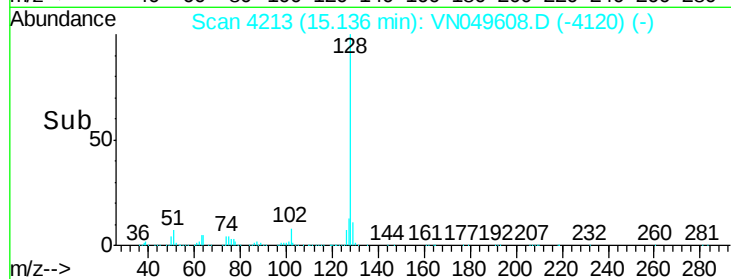
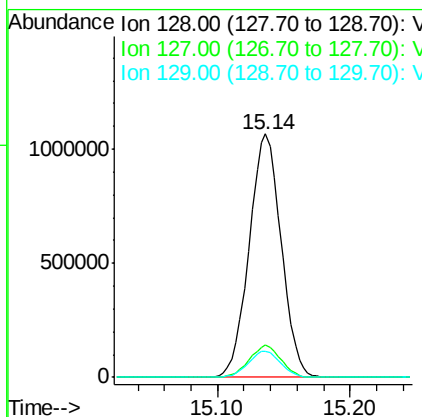
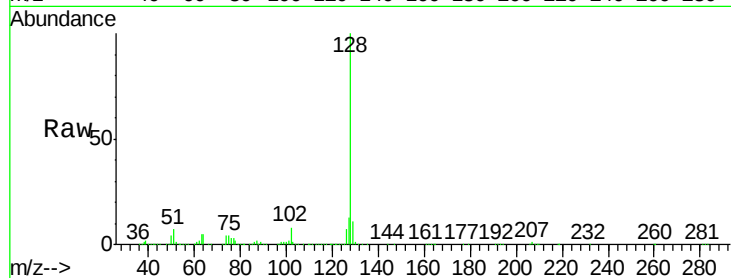
#95
Naphthalene
Concen: 52.88 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.8	8.5	12.7

Manual Integrations
APPROVED

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6/29/2018 1:46:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 44.45 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049608.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	141.8
145	30.4	15.6	46.7

