

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
 Data File : VN049663.D
 Acq On : 2 Jul 2018 12:32
 Operator : MD\SY
 Sample : VN0702WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

Manual Integrations
 APPROVED

sam
 7/3/2018 3:51:26 PM

Quant Time: Jul 03 04:03:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1334136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1997940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1789240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	943582	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	844849	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	7.59	113	734015	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	10.09	98	2826332	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.40	95	965293	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.85	85	290479	19.32	ug/l	98
3) Chloromethane	2.06	50	363145	19.34	ug/l	98
4) Vinyl Chloride	2.18	62	397375	19.70	ug/l	99
5) Bromomethane	2.57	94	205968	19.44	ug/l	97
6) Chloroethane	2.70	64	246661	19.32	ug/l	98
7) Trichlorofluoromethane	3.02	101	488666	21.21	ug/l	99
8) Diethyl Ether	3.41	74	184195	19.73	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	329869	19.90	ug/l	99
10) Methyl Iodide	3.95	142	457959	22.08	ug/l	100
11) Tert butyl alcohol	4.79	59	111970	110.75	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	305695	19.51	ug/l	100
13) Acrolein	3.61	56	74367	78.75	ug/l	99
14) Allyl chloride	4.32	41	465939	21.65	ug/l	99
15) Acrylonitrile	4.99	53	519323	99.45	ug/l	97
16) Acetone	3.82	43	395013	107.07	ug/l	100
17) Carbon Disulfide	4.05	76	891818	20.47	ug/l	100
18) Methyl Acetate	4.33	43	303951	15.74	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	812068	20.10	ug/l	100
20) Methylene Chloride	4.54	84	355020	19.57	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	316320	19.61	ug/l	99
22) Diisopropyl ether	5.95	45	971261	19.94	ug/l	98
23) Vinyl Acetate	5.90	43	3101569	98.21	ug/l	100
24) 1,1-Dichloroethane	5.85	63	606317	19.76	ug/l	100
25) 2-Butanone	6.84	43	604015	103.27	ug/l	98
26) 2,2-Dichloropropane	6.82	77	503420	19.76	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	355362	19.73	ug/l	100
28) Bromochloromethane	7.19	49	253302	19.45	ug/l	100
29) Tetrahydrofuran	7.21	42	389892	104.59	ug/l	99
30) Chloroform	7.37	83	602971	19.28	ug/l	97
31) Cyclohexane	7.65	56	545411	20.30	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	525656	19.85	ug/l	100
36) 1,1-Dichloropropene	7.79	75	450932	20.06	ug/l	100
37) Ethyl Acetate	6.93	43	284067	21.67	ug/l	98
38) Carbon Tetrachloride	7.77	117	442254	20.23	ug/l	99

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Manual Integrations
 APPROVED

sam
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Quant Time: Jul 03 04:03:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	501271	20.34	ug/l	99
40) Benzene	8.04	78	1373421	20.01	ug/l	100
41) Methacrylonitrile	7.17	41	133170	18.02	ug/l	93
42) 1,2-Dichloroethane	8.13	62	426919	19.49	ug/l	99
43) Isopropyl Acetate	8.17	43	519917	19.62	ug/l #	88
44) Trichloroethene	8.83	130	393305	19.00	ug/l	97
45) 1,2-Dichloropropane	9.12	63	357404	20.15	ug/l	99
46) Dibromomethane	9.21	93	213615	19.91	ug/l	98
47) Bromodichloromethane	9.40	83	456275	19.98	ug/l	98
48) Methyl methacrylate	9.20	41	242226	20.79	ug/l	99
49) 1,4-Dioxane	9.20	88	65735	419.69	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1337042	104.02	ug/l	99
52) Toluene	10.16	92	850348	20.51	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	428970	19.62	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	507780	19.87	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	302204	19.57	ug/l	99
56) Ethyl methacrylate	10.43	69	369924	20.44	ug/l	99
57) 1,3-Dichloropropane	10.71	76	507717	20.28	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	761480	88.06	ug/l	100
59) 2-Hexanone	10.75	43	909576	107.01	ug/l	99
60) Dibromochloromethane	10.90	129	337074	20.20	ug/l	99
61) 1,2-Dibromoethane	11.01	107	296574	20.05	ug/l	99
64) Tetrachloroethene	10.63	164	462344	19.08	ug/l	99
65) Chlorobenzene	11.44	112	904289	19.37	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	334838	19.96	ug/l	100
67) Ethyl Benzene	11.51	91	1544772	20.02	ug/l	100
68) m/p-Xylenes	11.62	106	1223292	41.37	ug/l	99
69) o-Xylene	11.95	106	584126	20.63	ug/l	96
70) Styrene	11.97	104	937286	20.46	ug/l	99
71) Bromoform	12.13	173	225759	20.26	ug/l #	98
73) Isopropylbenzene	12.25	105	1519583	20.22	ug/l	99
74) N-amyl acetate	12.07	43	404195	19.69	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	345181	21.31	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	340606m	22.51	ug/l	
77) Bromobenzene	12.53	156	386968	18.93	ug/l	100
78) n-propylbenzene	12.59	91	1775520	20.61	ug/l	100
79) 2-Chlorotoluene	12.68	91	1069570	19.62	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1301979	20.85	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	87997	19.75	ug/l	99
82) 4-Chlorotoluene	12.78	91	1075077	19.61	ug/l	100
83) tert-Butylbenzene	12.99	119	1080612	20.14	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1329381	20.71	ug/l	99
85) sec-Butylbenzene	13.17	105	1474884	20.75	ug/l	99
86) p-Isopropyltoluene	13.29	119	1288023	20.92	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	699704	19.88	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	685249	19.89	ug/l	100
89) n-Butylbenzene	13.62	91	1034613	19.63	ug/l	99
90) Hexachloroethane	13.88	117	154794	23.93	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	690999	20.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	56879	21.10	ug/l	98

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Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Time: Jul 03 04:03:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	293262	18.46	ug/l	99
94) Hexachlorobutadiene	15.01	225	228638	21.54	ug/l	100
95) Naphthalene	15.14	128	572073	17.76	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	299052	19.16	ug/l	99

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

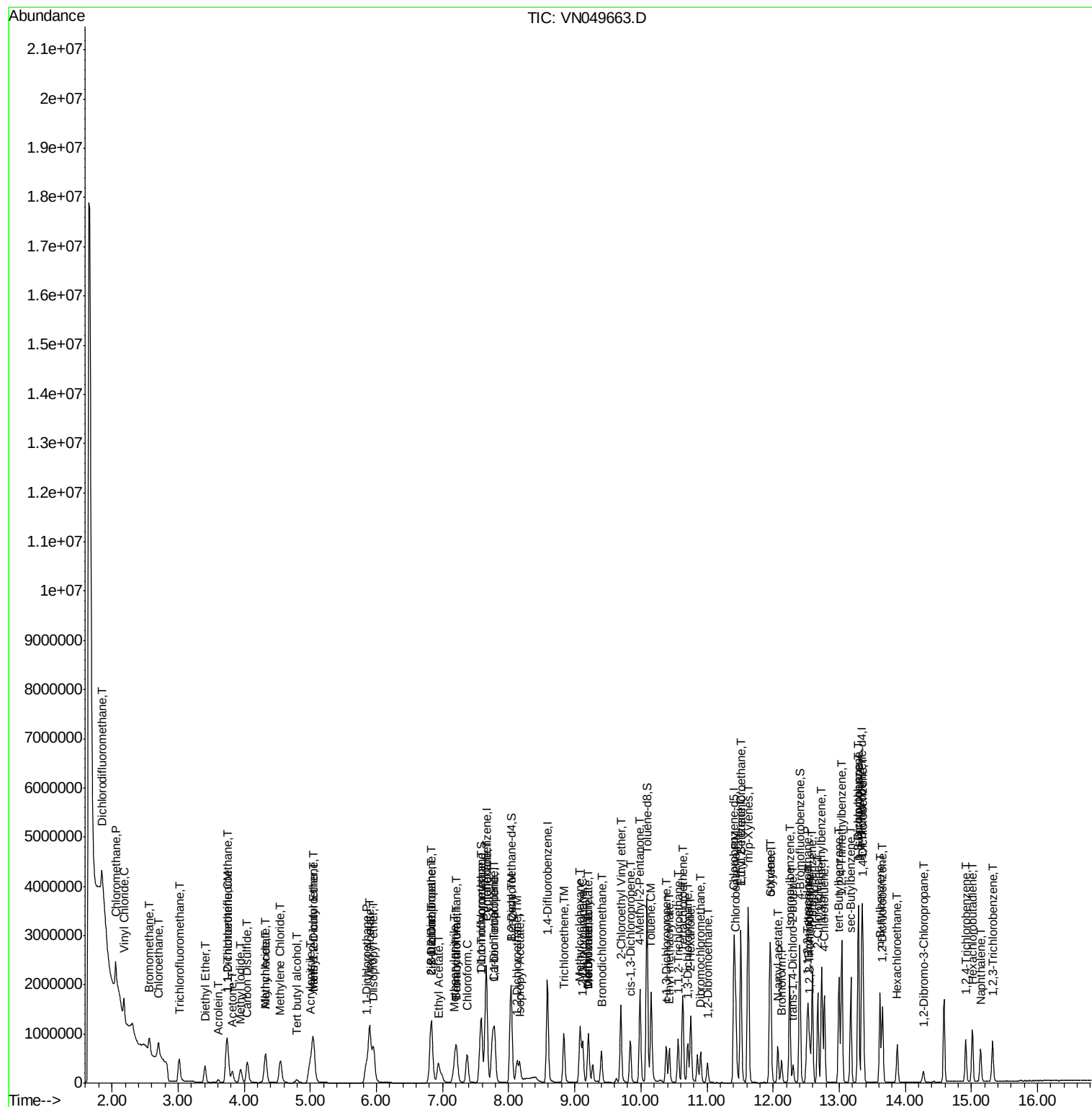
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070218\
Data File : VN049663.D
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Sample : VN0702WBS01
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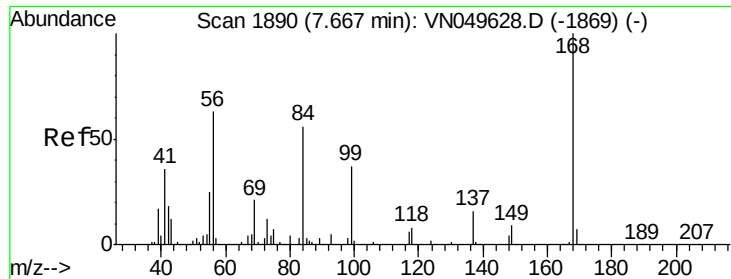
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBS01

Manual Integrations
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7/3/2018 3:51:26 PM

Quant Time: Jul 03 04:03:08 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

Tot Ion:168 Resp: 1334136

Ion Ratio Lower Upper

168 100

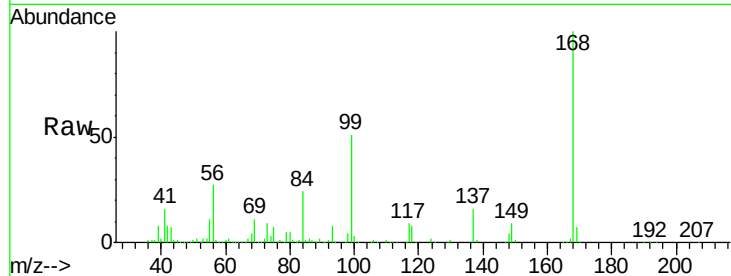
99 50.4 40.6 61.0

Manual Integrations

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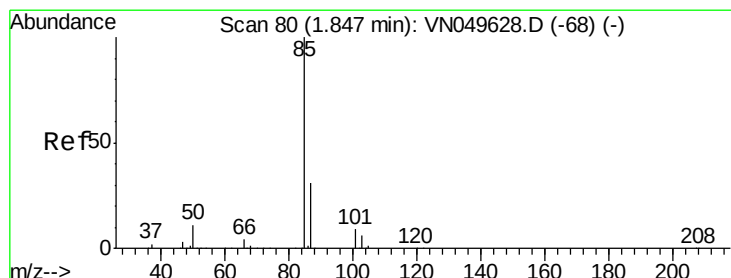
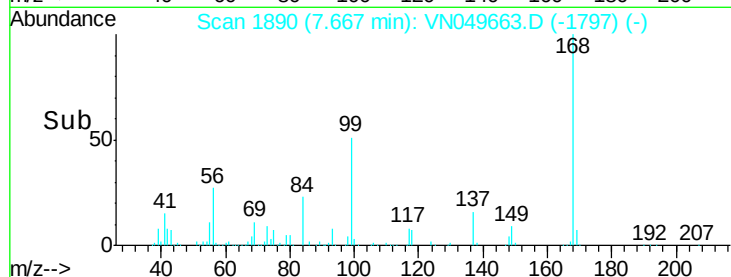
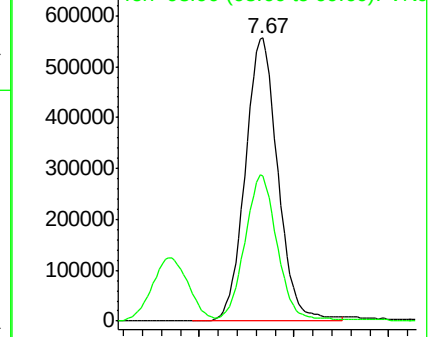
sam

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.32 ug/l

RT: 1.85 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN049663.D

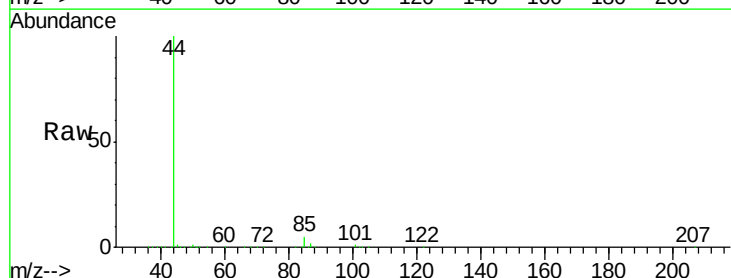
Acq: 2 Jul 2018 12:32

Tgt Ion: 85 Resp: 290479

Ion Ratio Lower Upper

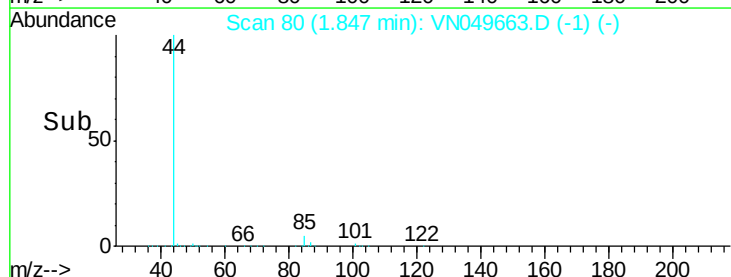
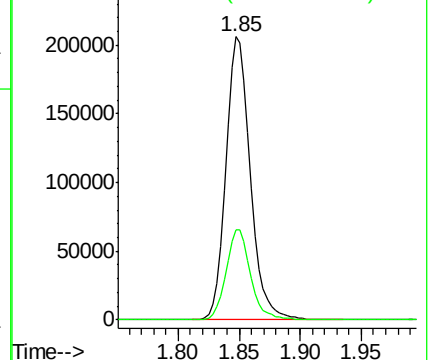
85 100

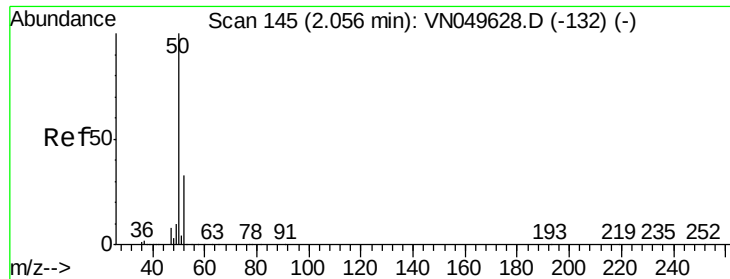
87 31.9 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.34 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

Tot Ion: 50 Resp: 363145

Ion Ratio Lower Upper

50 100

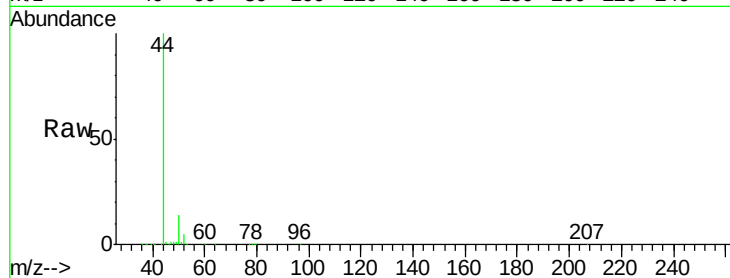
52 33.8 26.1 39.1

Manual Integrations

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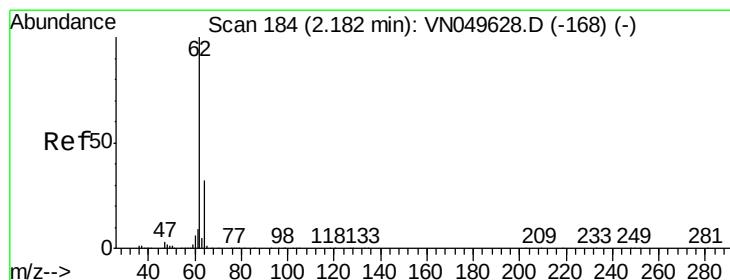
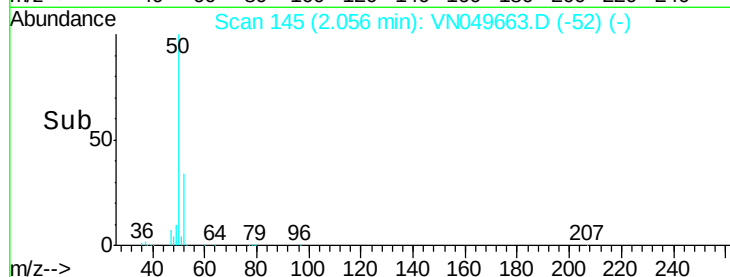
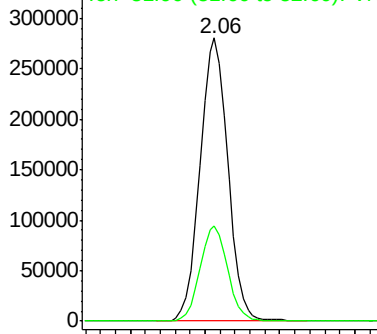
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.70 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049663.D

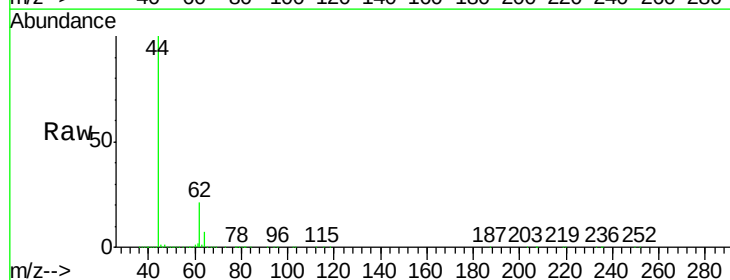
Acq: 2 Jul 2018 12:32

Tgt Ion: 62 Resp: 397375

Ion Ratio Lower Upper

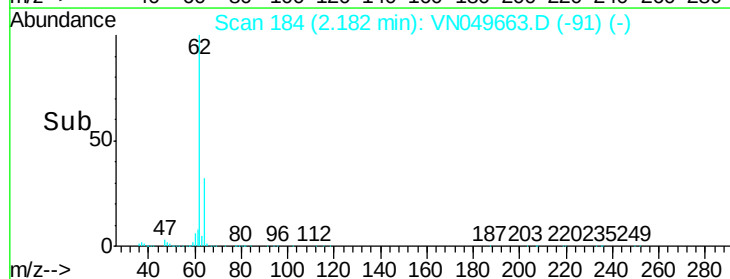
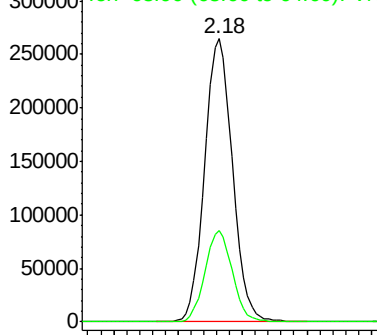
62 100

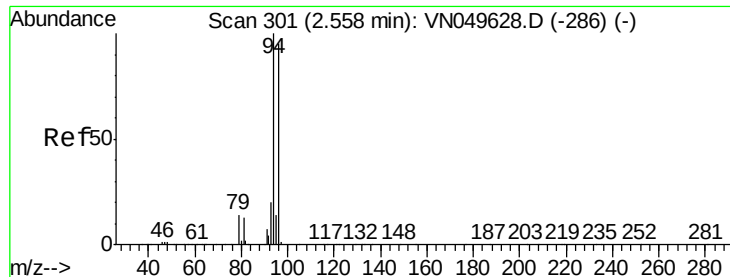
64 32.3 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.44 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

Tot Ion: 94 Resp: 205968

Ion Ratio Lower Upper

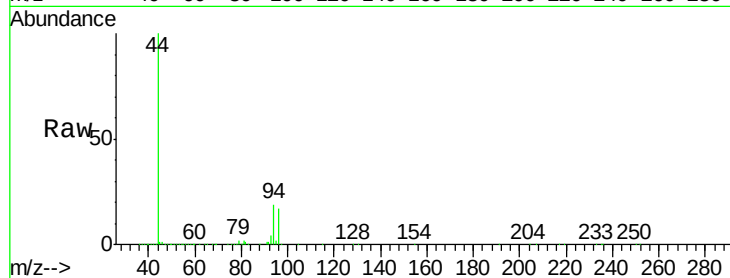
94 100

96 91.8 75.7 113.5

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

120000

100000

80000

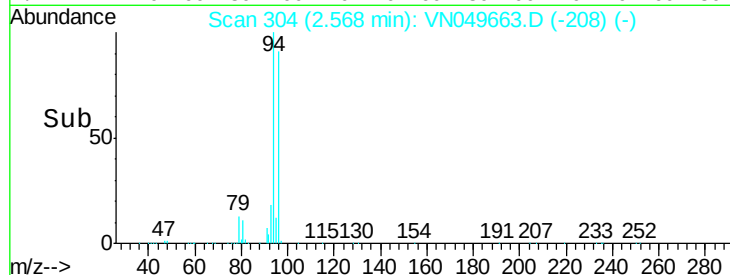
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40000

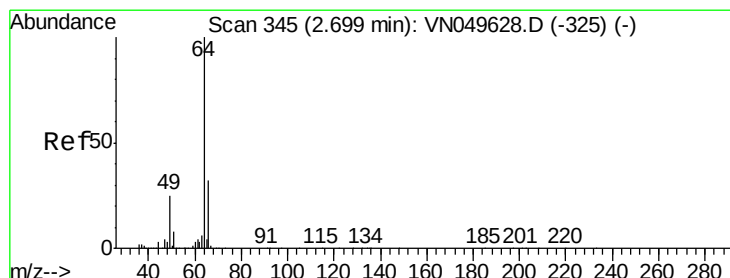
20000

0

Time-->



Time-->



#6

Chloroethane

Concen: 19.32 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049663.D

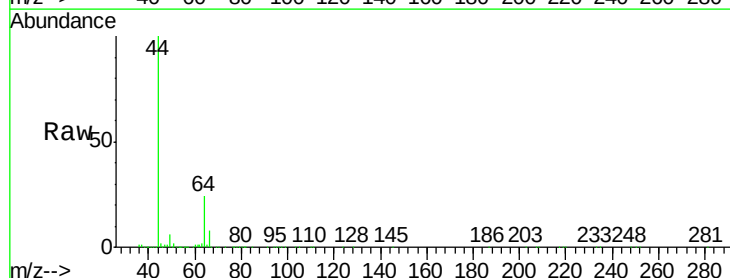
Acq: 2 Jul 2018 12:32

Tgt Ion: 64 Resp: 246661

Ion Ratio Lower Upper

64 100

66 31.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

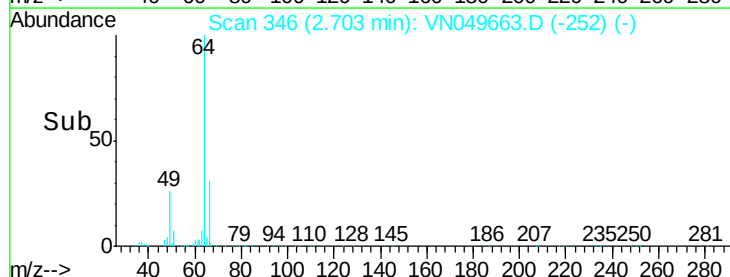
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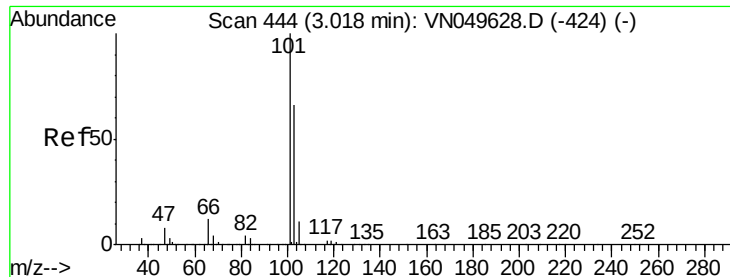
100000

50000

0

Time-->





#7

Trichlorofluoromethane

Concen: 21.21 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

Tot Ion:101 Resp: 488666

Ion Ratio Lower Upper

101 100

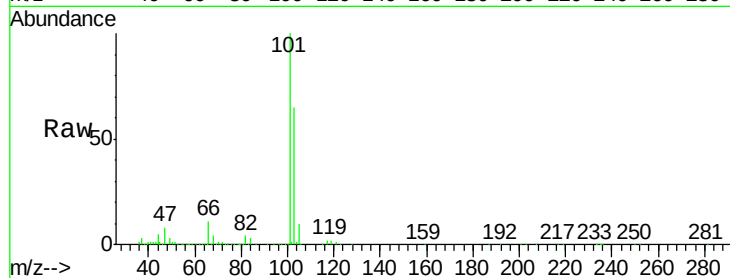
103 65.0 52.8 79.2

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.02

250000

200000

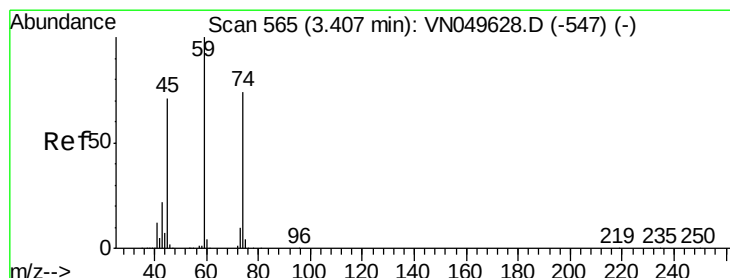
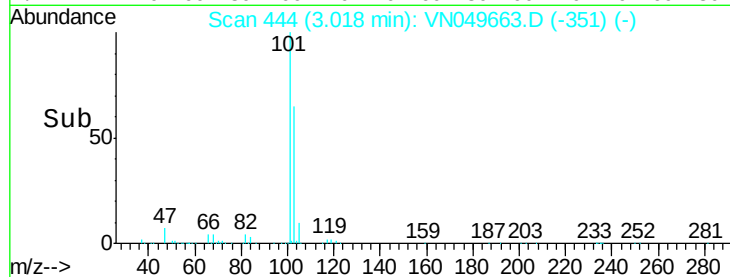
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 19.73 ug/l

RT: 3.41 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN049663.D

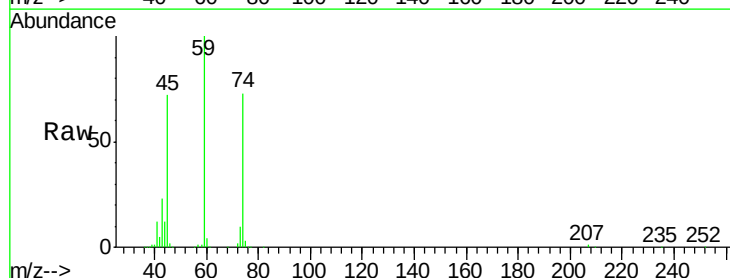
Acq: 2 Jul 2018 12:32

Tgt Ion: 74 Resp: 184195

Ion Ratio Lower Upper

74 100

45 96.3 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

3.41

80000

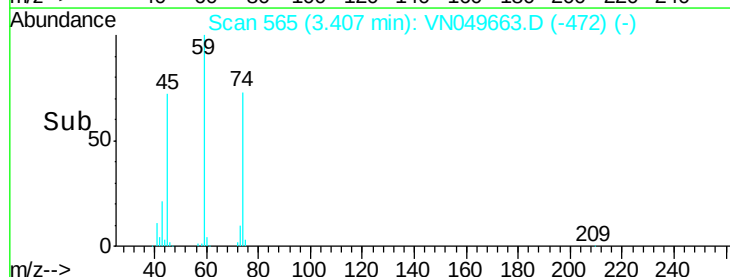
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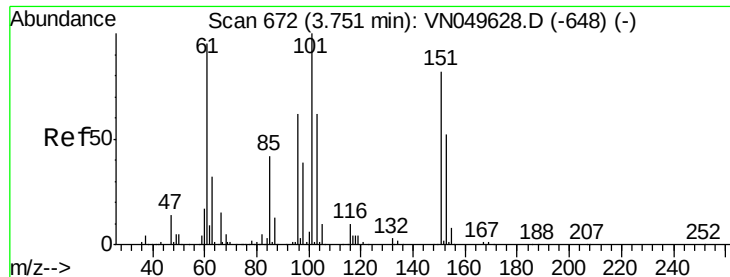
40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.90 ug/l

RT: 3.75 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

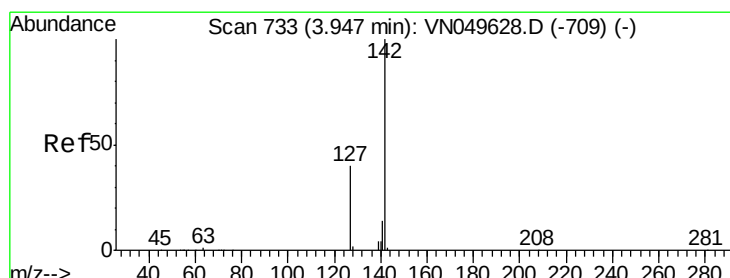
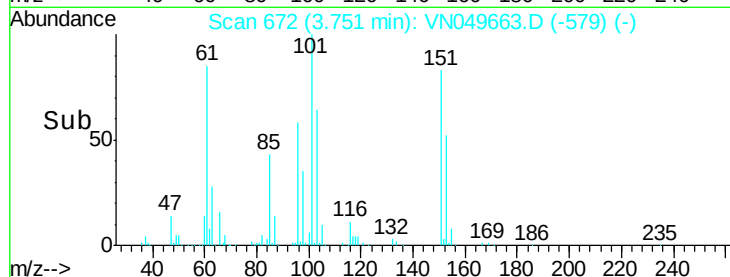
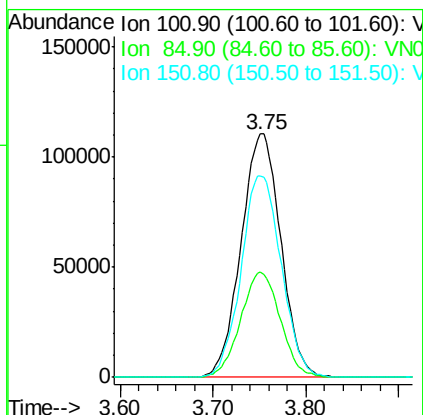
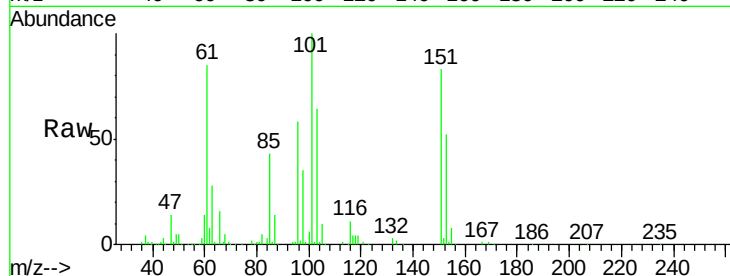
ClientSampled :

VN0702WBS01

Tot Ion:	101	Resp:	329869
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.4	51.6
151	83.6	66.2	99.4

Manual Integrations
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sam
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#10

Methyl Iodide

Concen: 22.08 ug/l

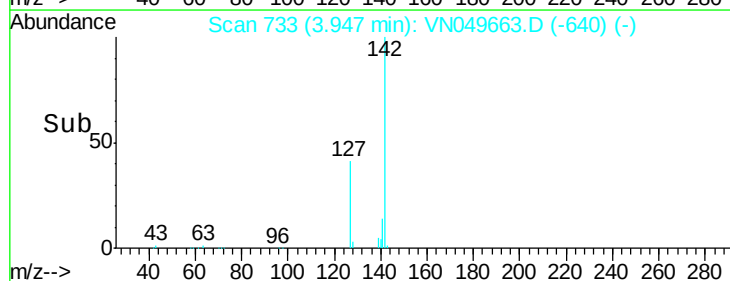
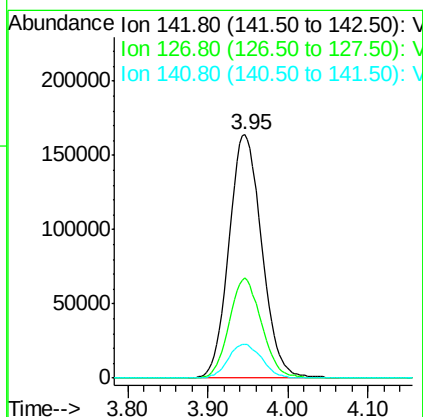
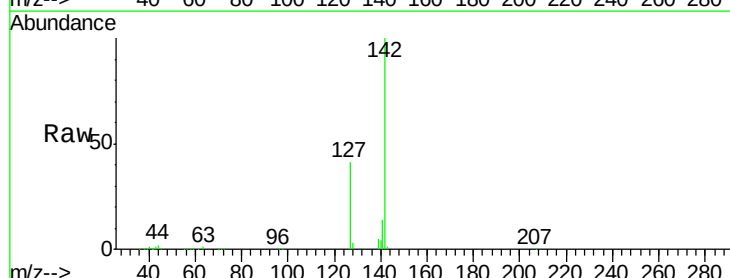
RT: 3.95 min Scan# 733

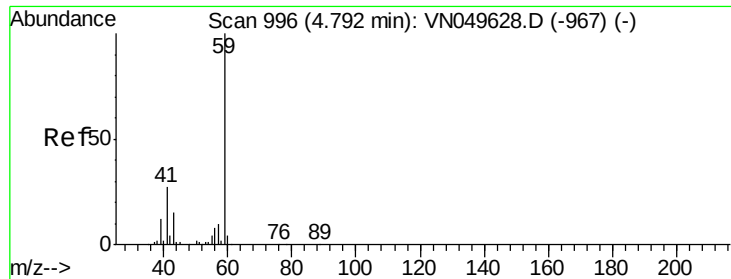
Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Tgt Ion:	142	Resp:	457959
Ion Ratio	Lower	Upper	
142	100		
127	40.5	32.5	48.7
141	14.3	11.1	16.7





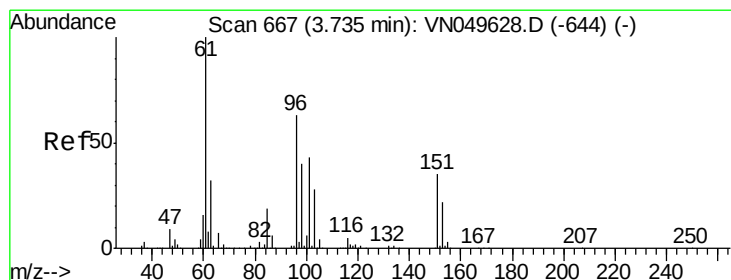
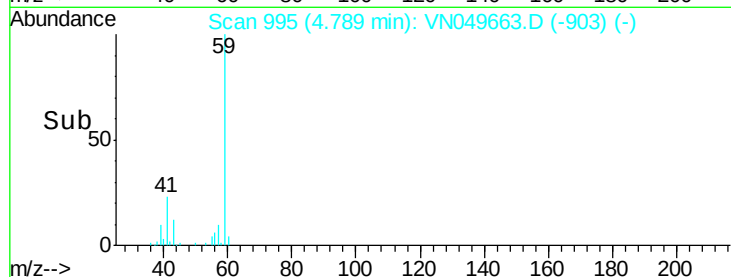
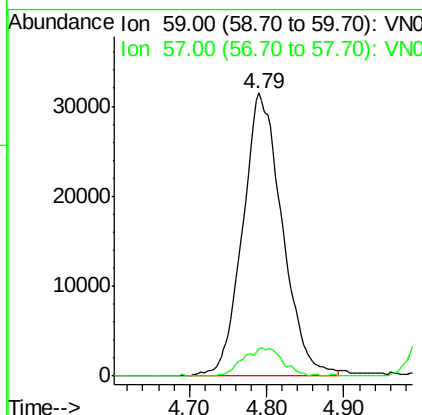
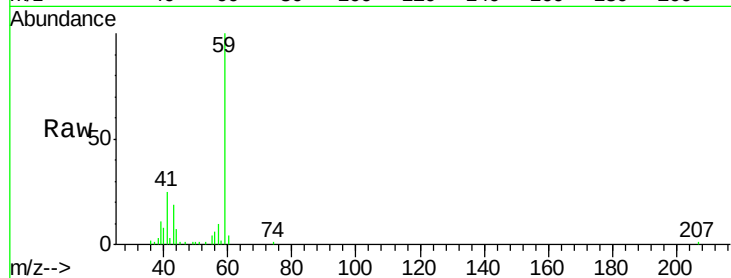
#11
Tert butyl alcohol
Concen: 110.75 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion: 59 Resp: 111970
Ion Ratio Lower Upper
59 100
57 5.9 8.5 12.7#

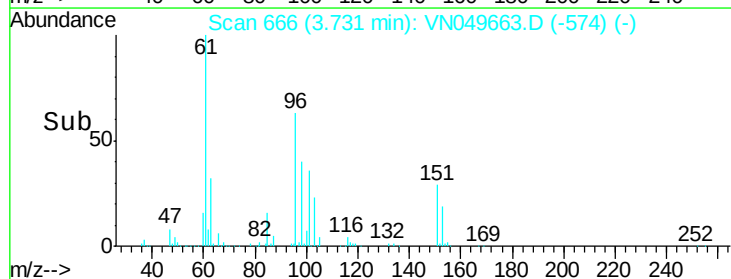
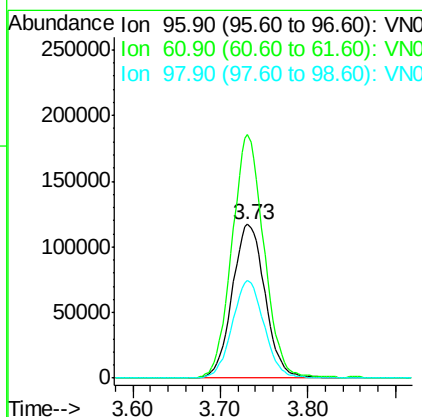
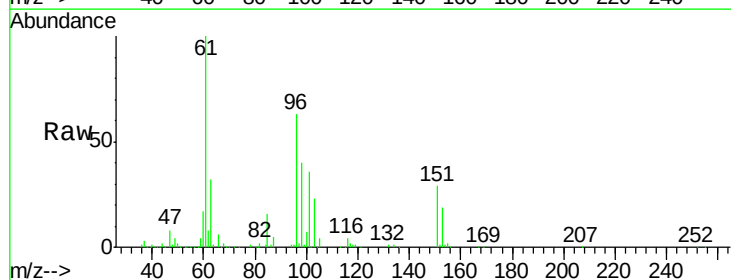
Manual Integrations
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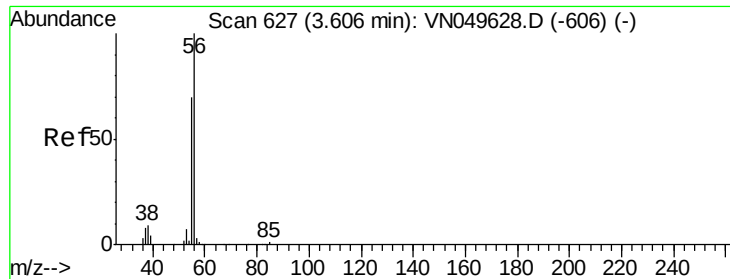
sam
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#12
1,1-Dichloroethene
Concen: 19.51 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion: 96 Resp: 305695
Ion Ratio Lower Upper
96 100
61 158.6 126.5 189.7
98 63.3 51.0 76.6





#13

Acrolein

Concen: 78.75 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

Tot Ion: 56 Resp: 74367

Ion Ratio Lower Upper

56 100

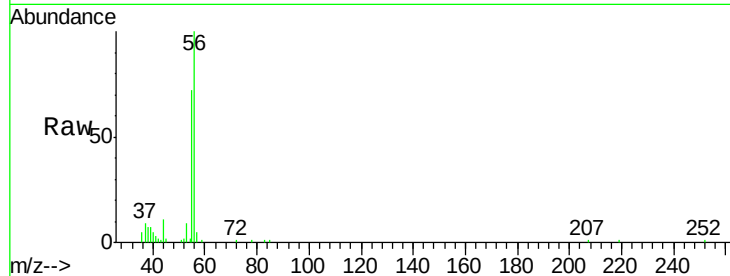
55 70.2 55.8 83.8

Manual Integrations

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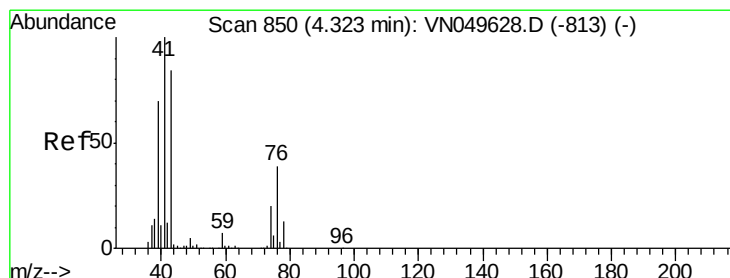
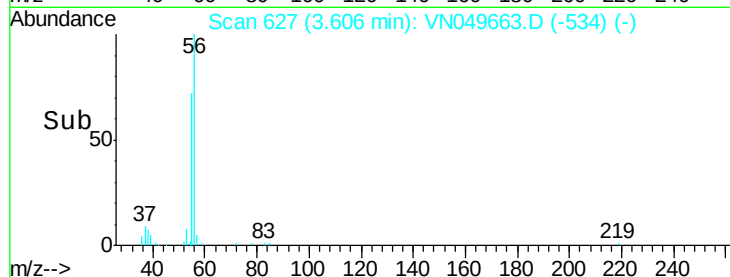
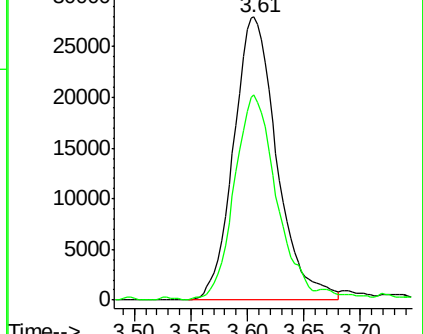
sam

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.65 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

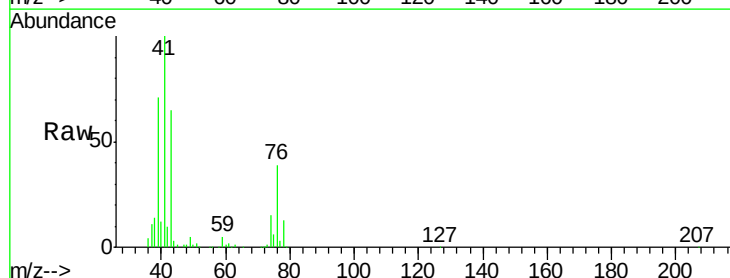
Tgt Ion: 41 Resp: 465939

Ion Ratio Lower Upper

41 100

39 67.6 53.2 79.8

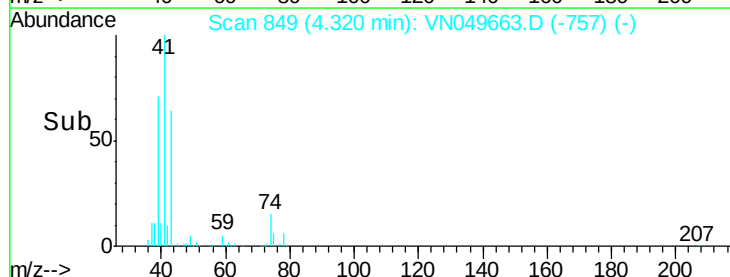
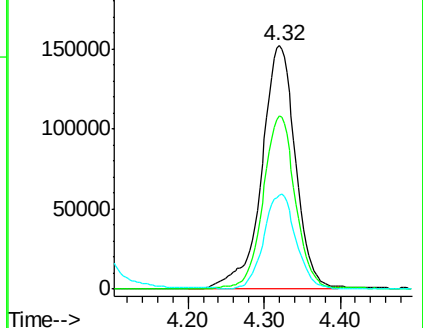
76 36.5 29.0 43.6

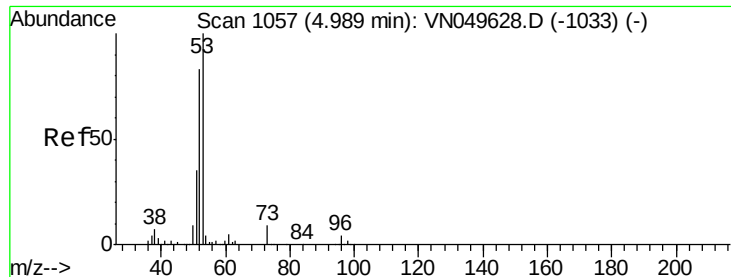


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 99.45 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

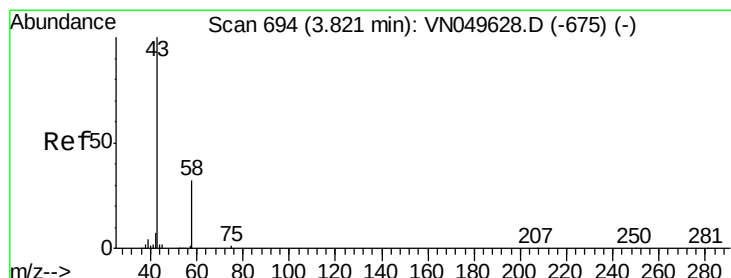
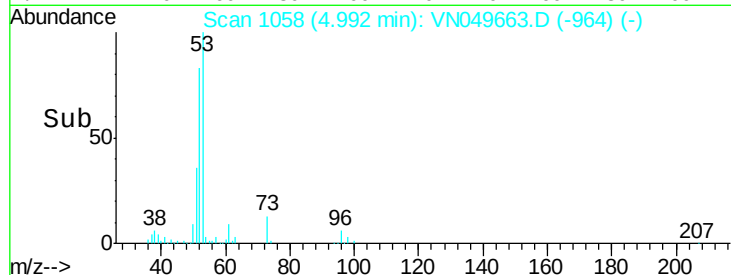
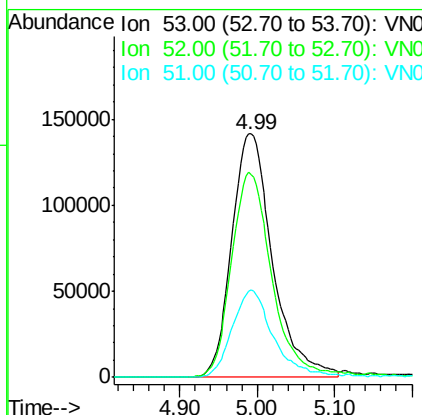
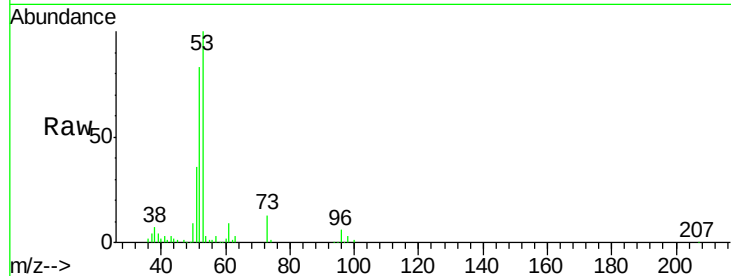
ClientSampleId :

VN0702WBS01

Tot Ion:	53	Resp:	519323
Ion Ratio	Lower	Upper	
53	100		
52	83.7	64.8	97.2
51	35.3	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 107.07 ug/l

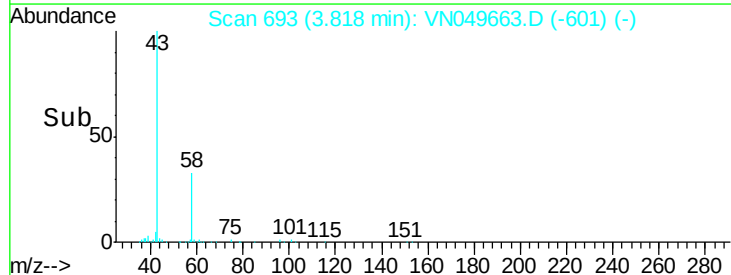
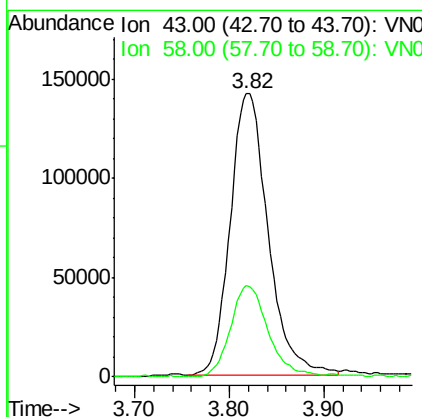
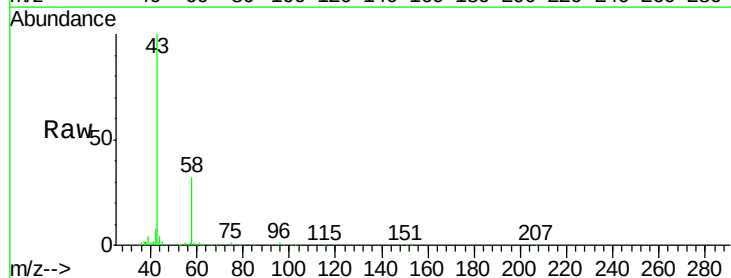
RT: 3.82 min Scan# 693

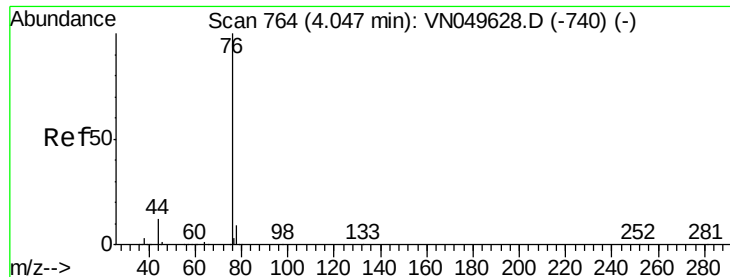
Delta R.T. -0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Tgt Ion:	43	Resp:	395013
Ion Ratio	Lower	Upper	
43	100		
58	32.3	25.9	38.9





#17

Carbon Disulfide

Concen: 20.47 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

Tot Ion: 76 Resp: 891818

Ion Ratio Lower Upper

76 100

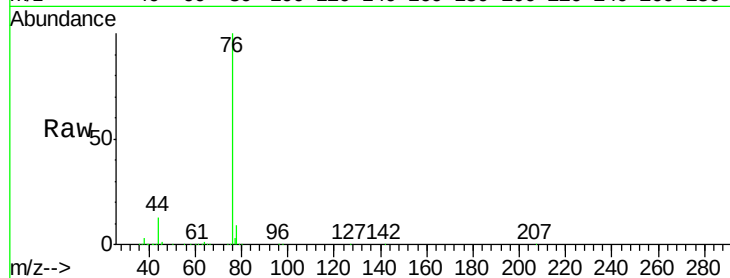
78 8.8 7.1 10.7

Manual Integrations

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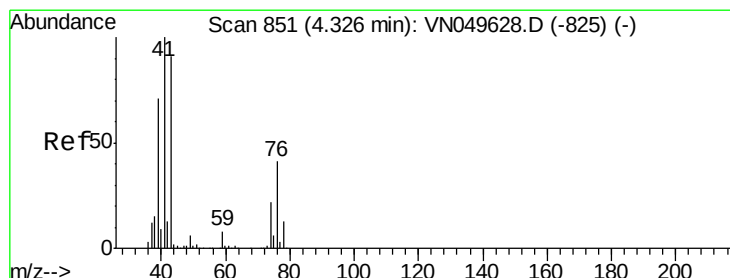
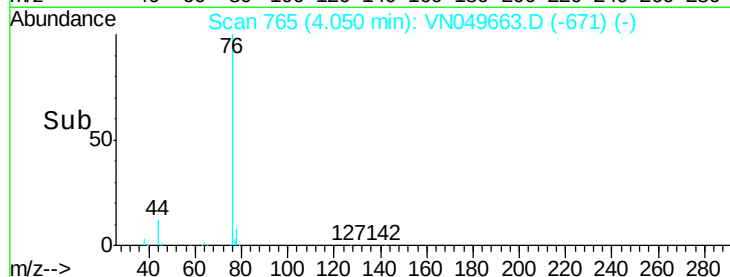
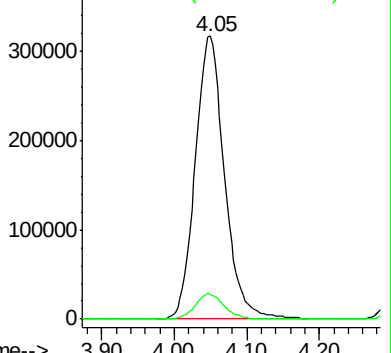
sam

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 15.74 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049663.D

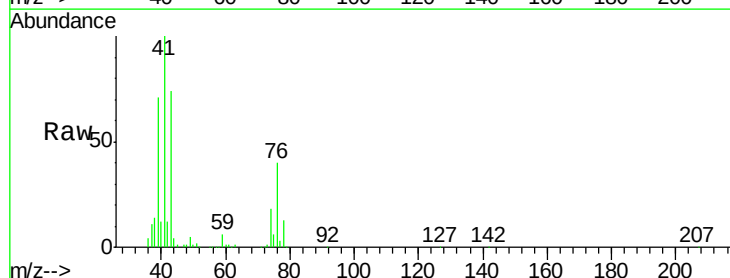
Acq: 2 Jul 2018 12:32

Tgt Ion: 43 Resp: 303951

Ion Ratio Lower Upper

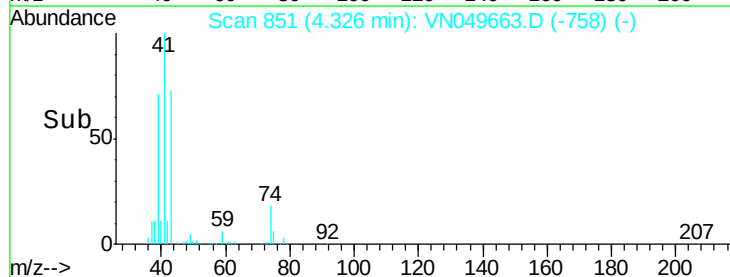
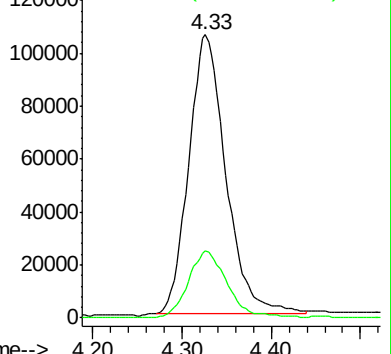
43 100

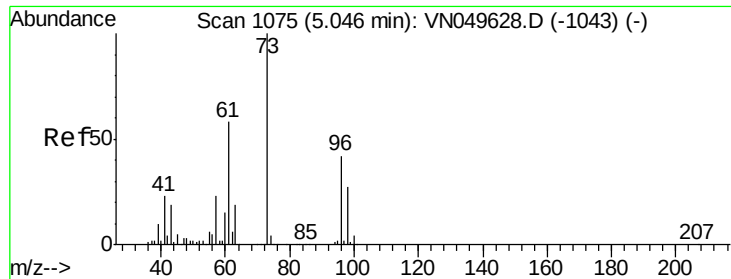
74 25.3 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





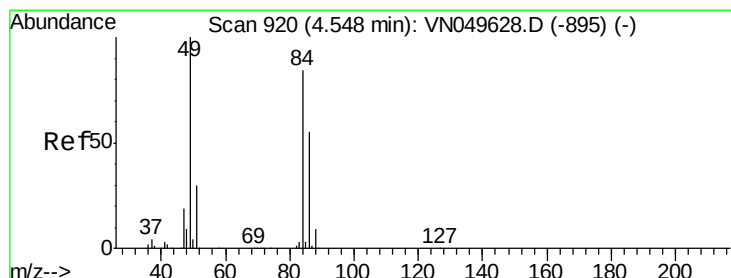
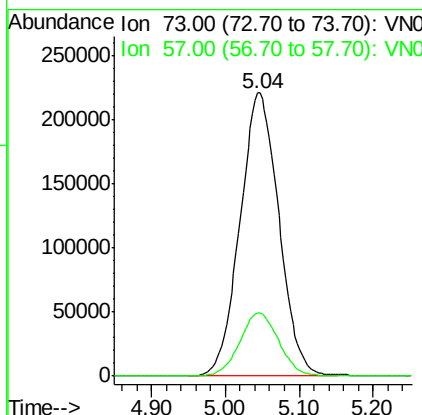
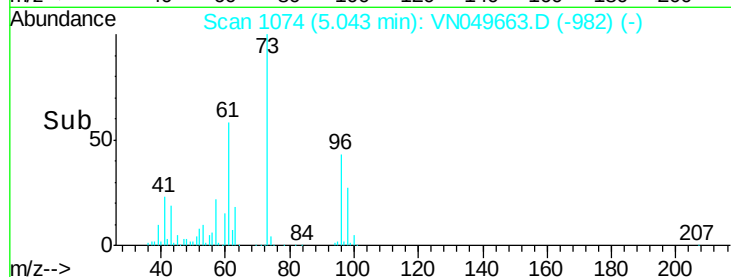
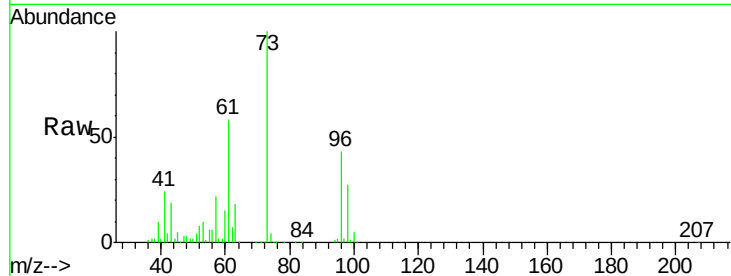
#19
Methyl tert-butyl Ether
Concen: 20.10 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion: 73 Resp: 812068
Ion Ratio Lower Upper
73 100
57 22.4 18.1 27.1

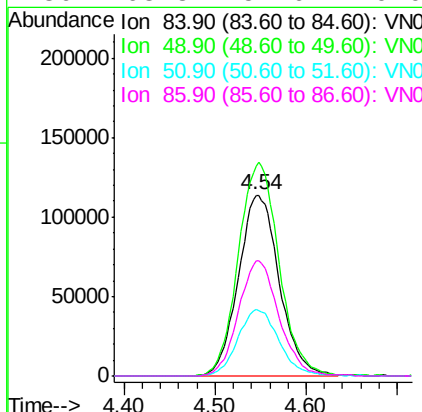
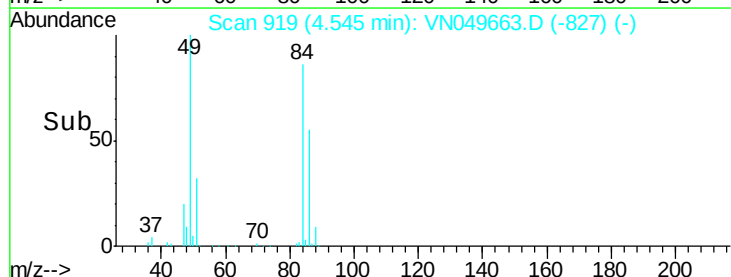
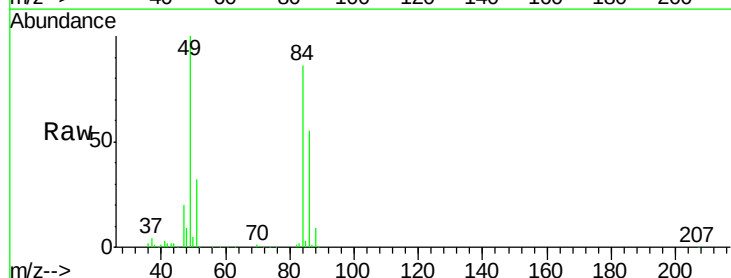
Manual Integrations
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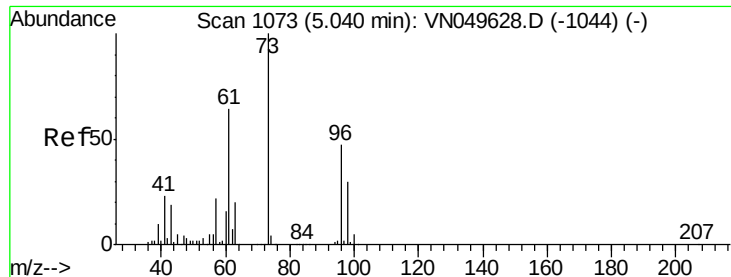
sam
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#20
Methylene Chloride
Concen: 19.57 ug/l
RT: 4.54 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion: 84 Resp: 355020
Ion Ratio Lower Upper
84 100
49 116.2 95.4 143.2
51 37.0 28.4 42.6
86 63.8 52.6 79.0





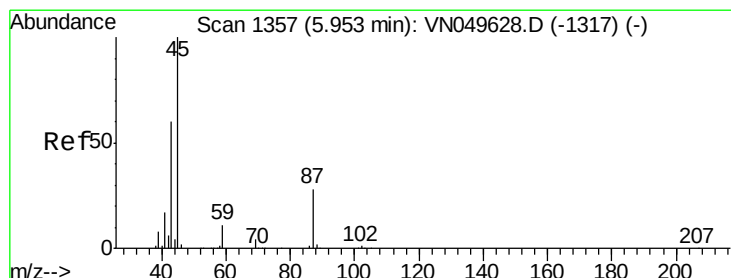
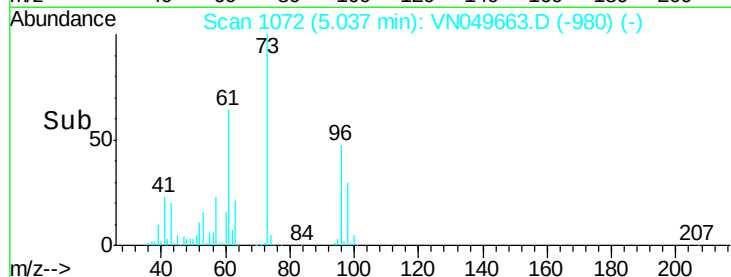
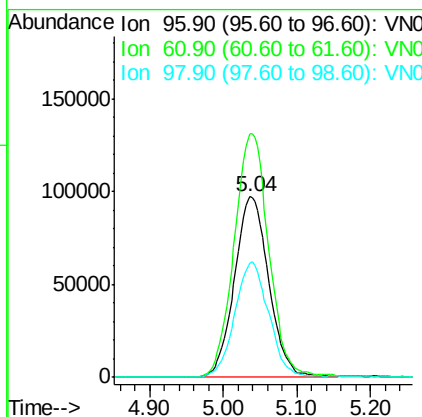
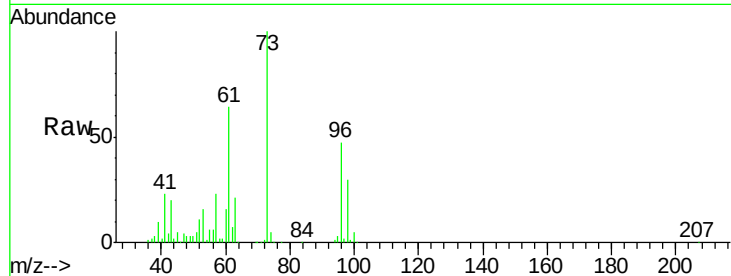
#21
trans-1,2-Dichloroethene
Concen: 19.61 ug/l
RT: 5.04 min Scan# 1072
Delta R.T. -0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.8	109.0	163.6
98	63.4	51.1	76.7

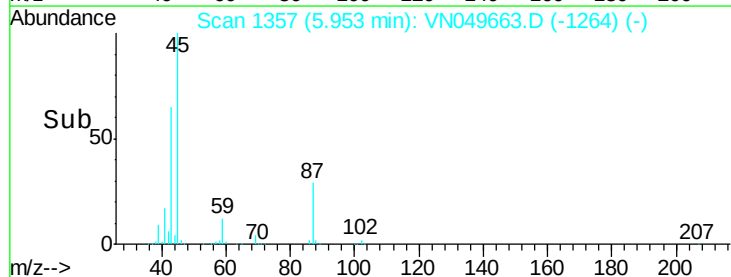
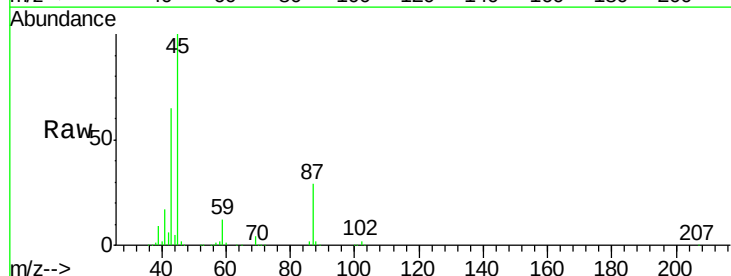
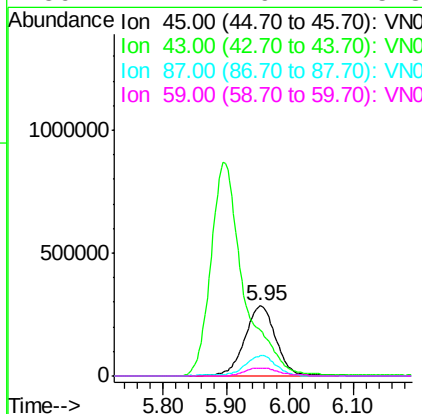
Manual Integrations
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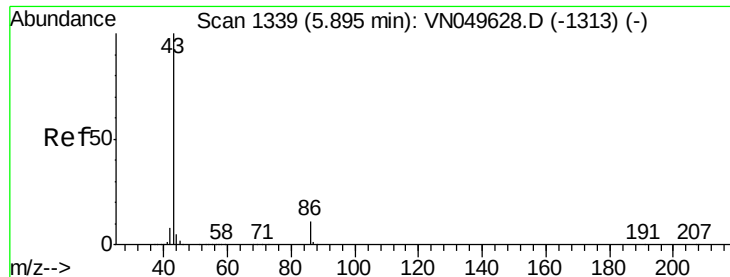
sam
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#22
Diisopropyl ether
Concen: 19.94 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.0	48.1	72.1
87	28.3	22.6	34.0
59	11.4	9.2	13.8





#23

Vinyl Acetate

Concen: 98.21 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

Tot Ion: 43 Resp: 3101569

Ion Ratio Lower Upper

43 100

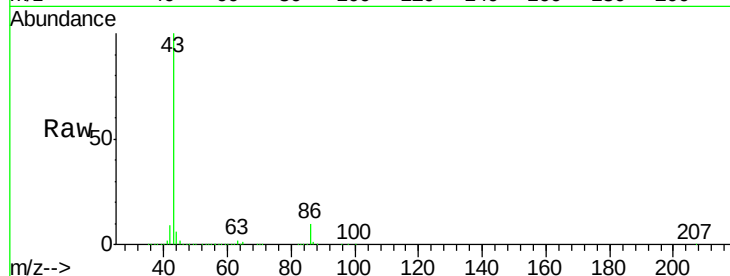
86 10.4 8.4 12.6

Manual Integrations

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sam

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1000000

800000

600000

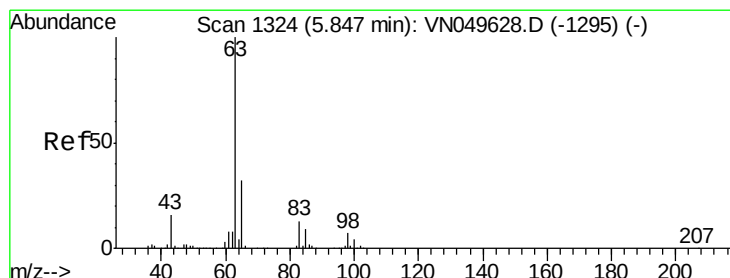
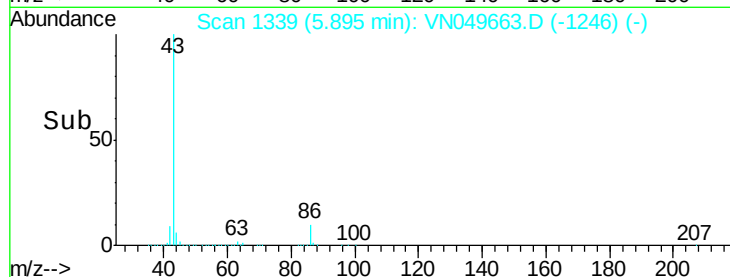
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.76 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

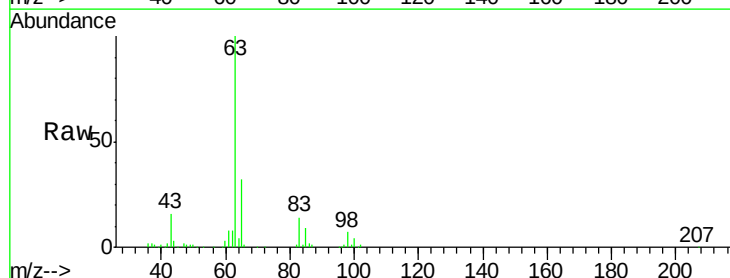
Tgt Ion: 63 Resp: 606317

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.2 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

250000

200000

150000

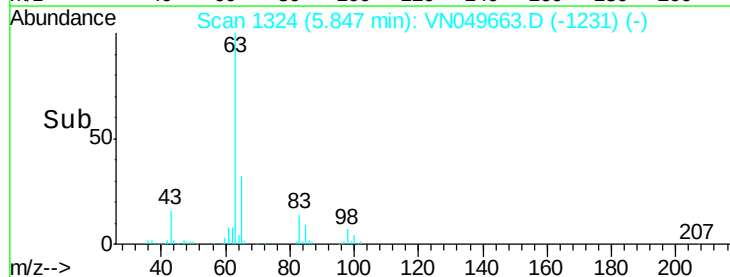
100000

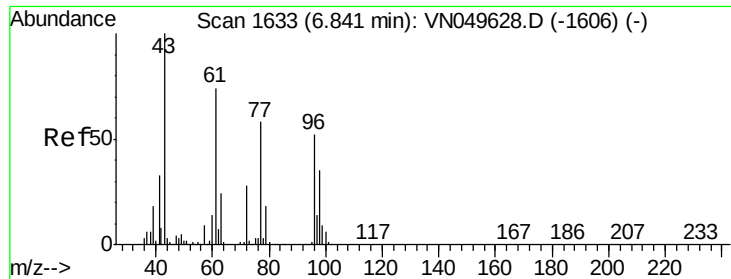
50000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 103.27 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

Tot Ion: 43 Resp: 604015

Ion Ratio Lower Upper

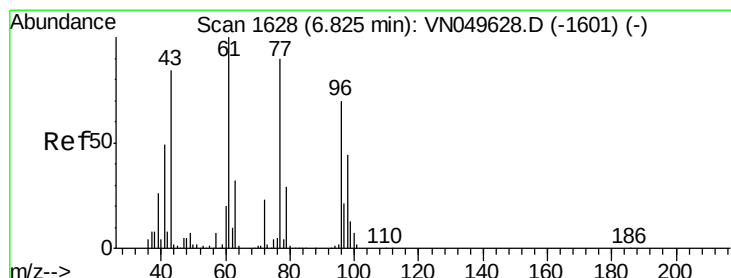
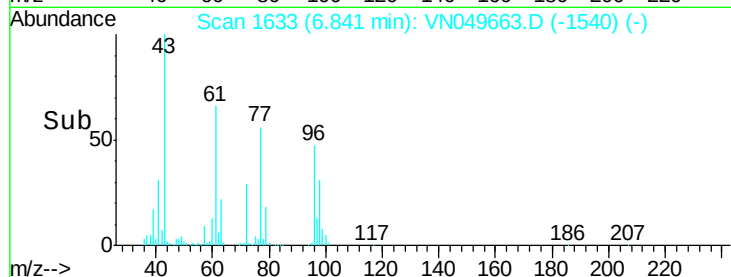
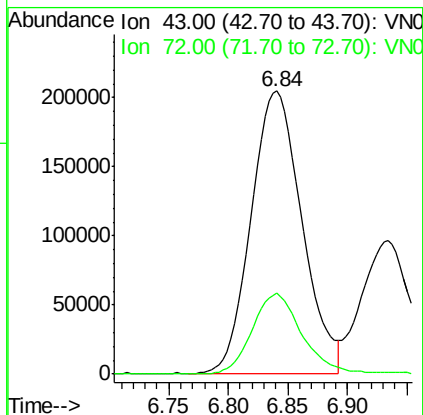
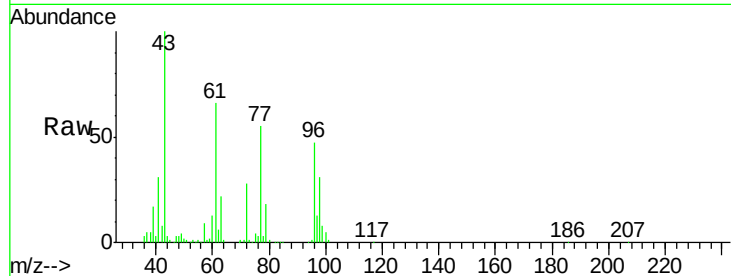
43 100

72 28.6 22.1 33.1

Manual Integrations
APPROVED

sam

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#26

2,2-Dichloropropane

Concen: 19.76 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049663.D

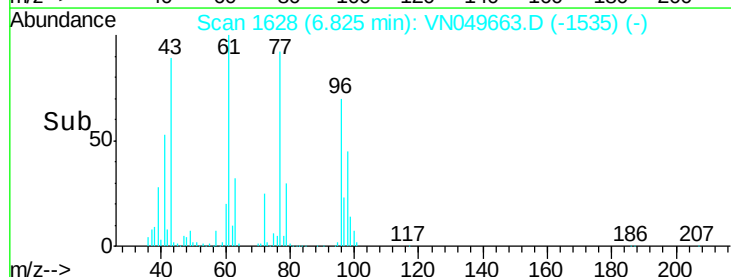
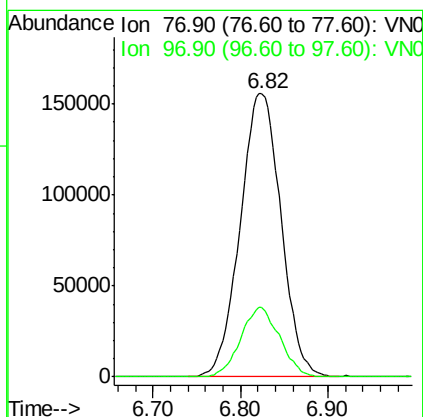
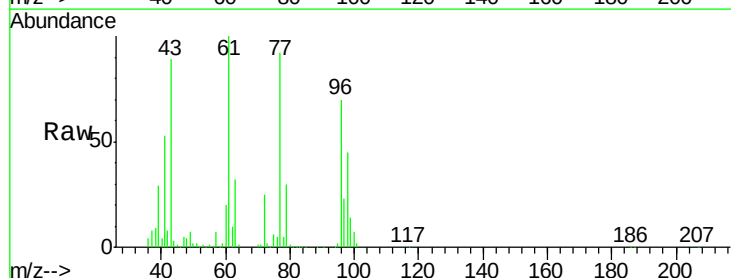
Acq: 2 Jul 2018 12:32

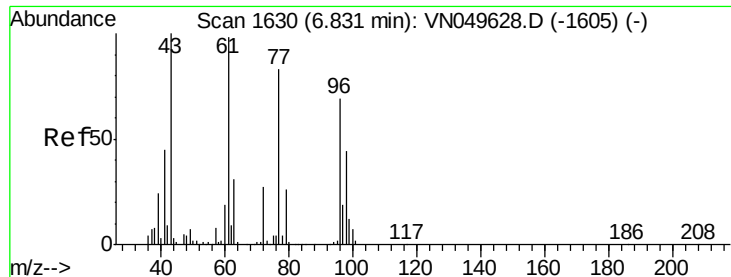
Tgt Ion: 77 Resp: 503420

Ion Ratio Lower Upper

77 100

97 23.5 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.73 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

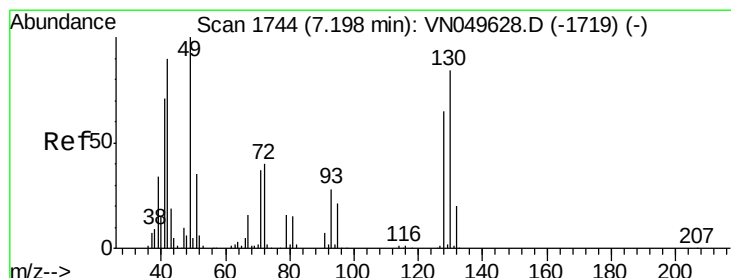
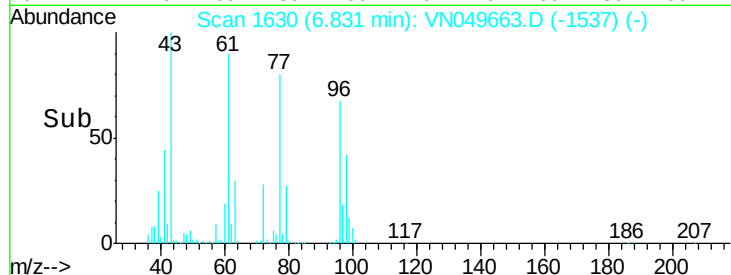
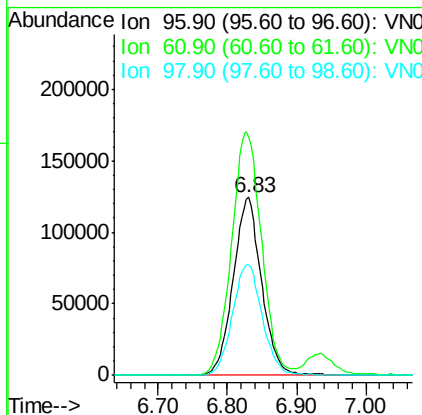
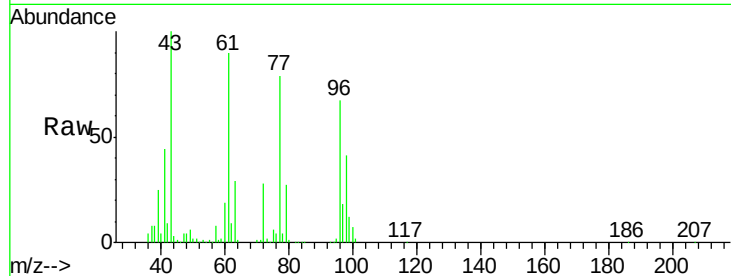
ClientSampleId :

VN0702WBS01

Tot Ion	96	Resp	355362
Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	289.0
98	65.2	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 19.45 ug/l

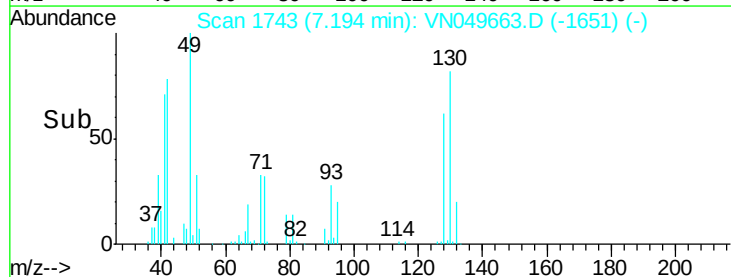
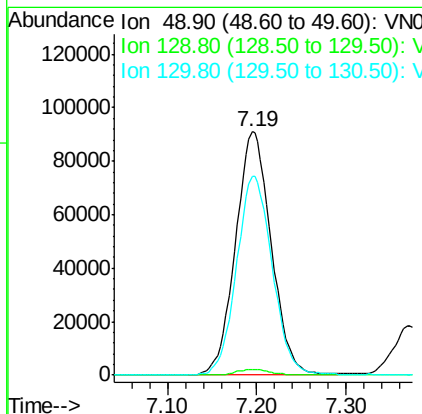
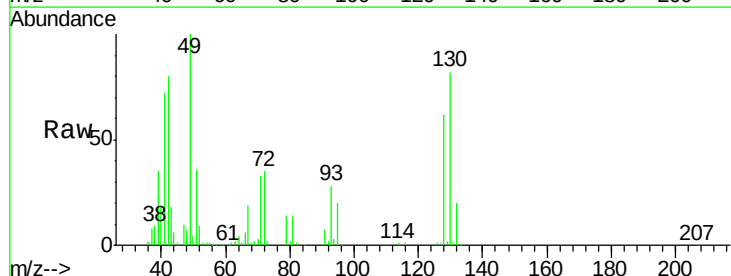
RT: 7.19 min Scan# 1743

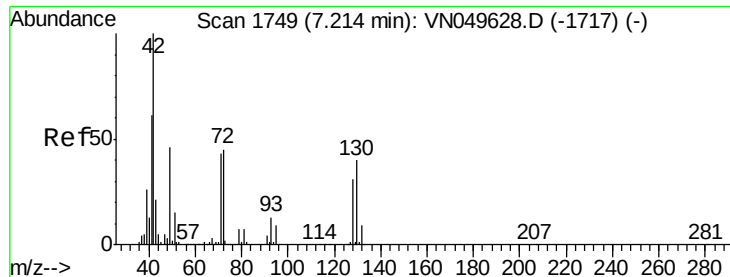
Delta R.T. -0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Tgt Ion	49	Resp	253302
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	81.8	65.5	98.3





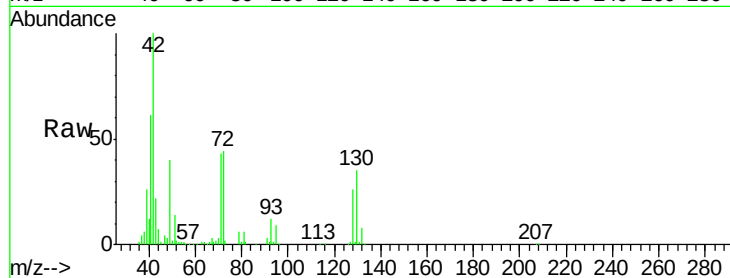
#29
Tetrahydrofuran
Concen: 104.59 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBS01

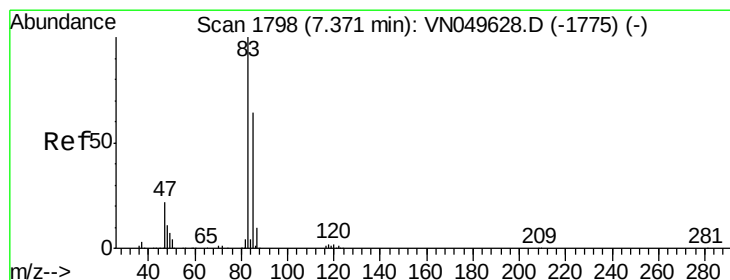
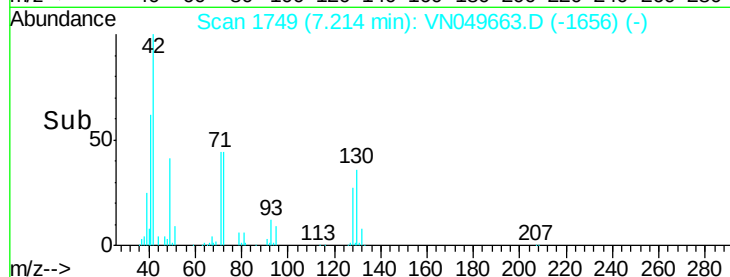
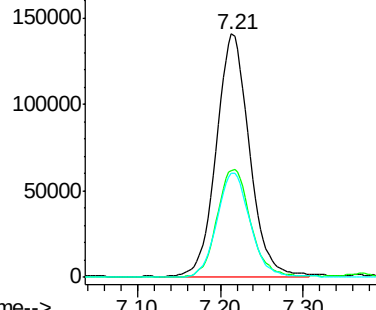
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	35.6	53.4
71	43.2	34.0	51.0

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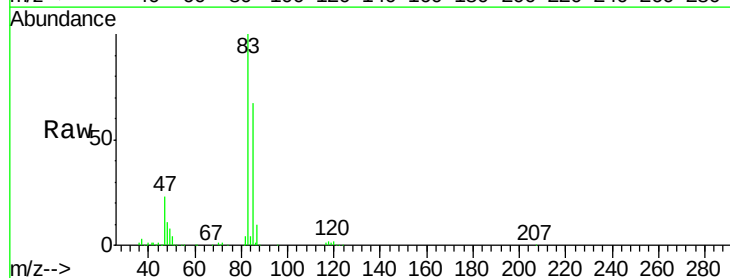


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

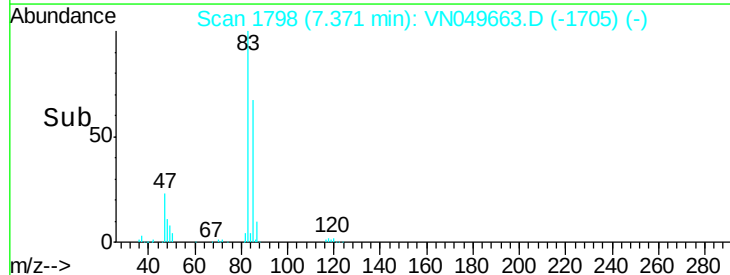
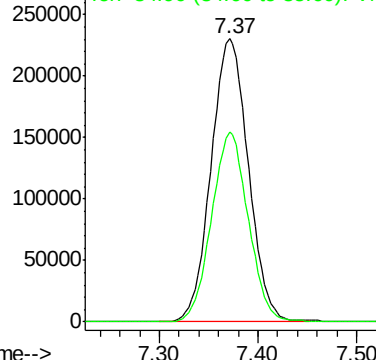


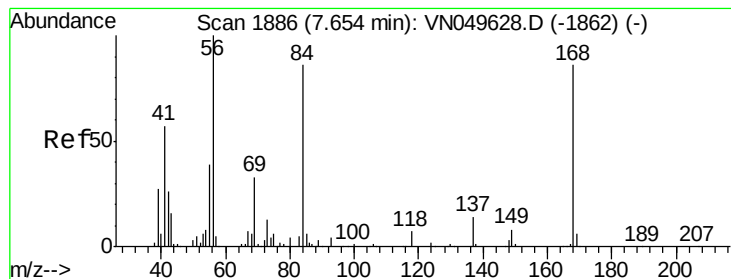
#30
Chloroform
Concen: 19.28 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.30 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

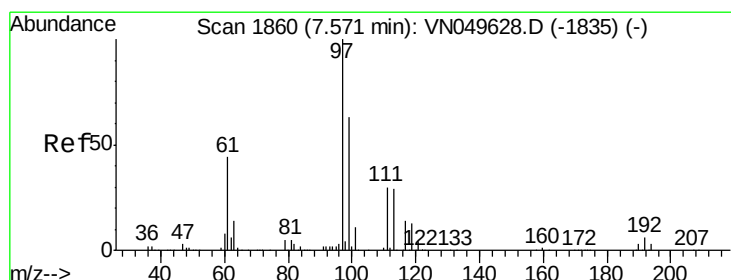
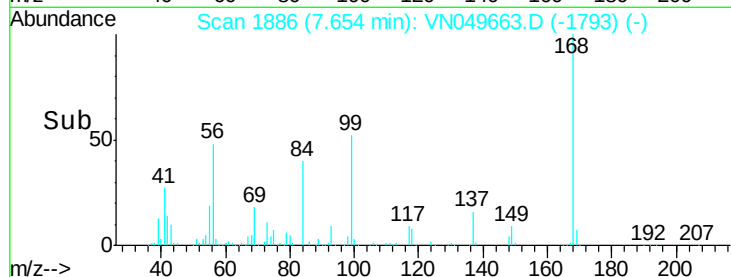
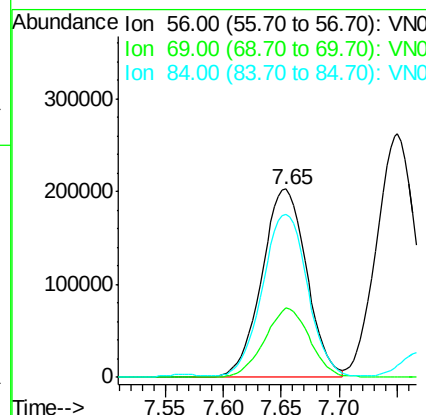
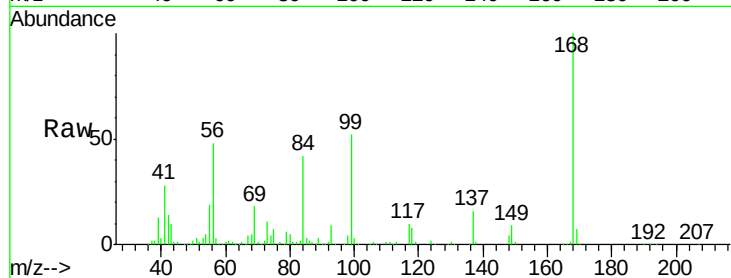
ClientSampled :

VN0702WBS01

Tot Ion:	56	Resp:	545411
Ion Ratio	Lower	Upper	
56	100		
69	36.8	26.6	40.0
84	85.1	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.85 ug/l

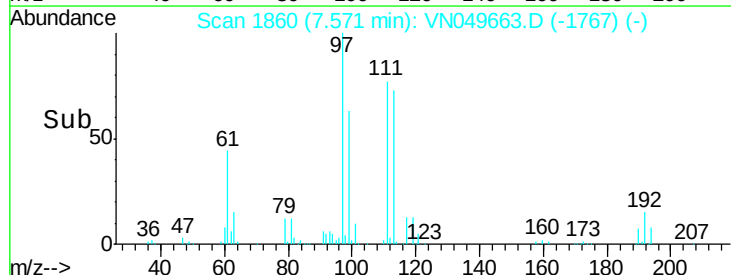
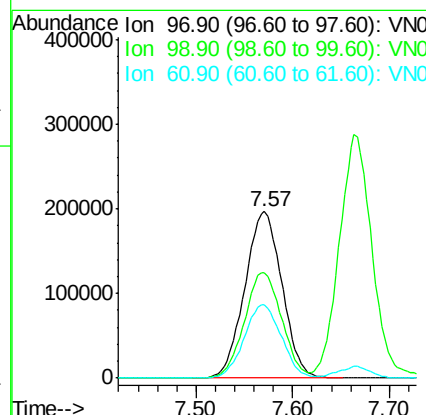
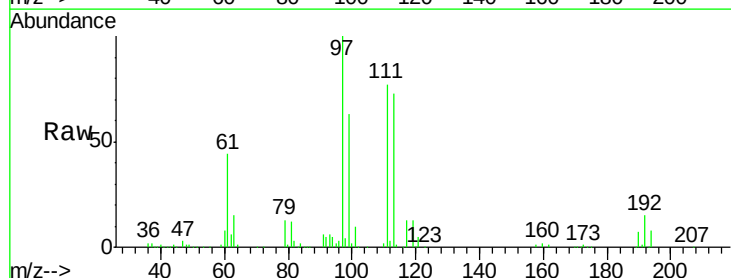
RT: 7.57 min Scan# 1860

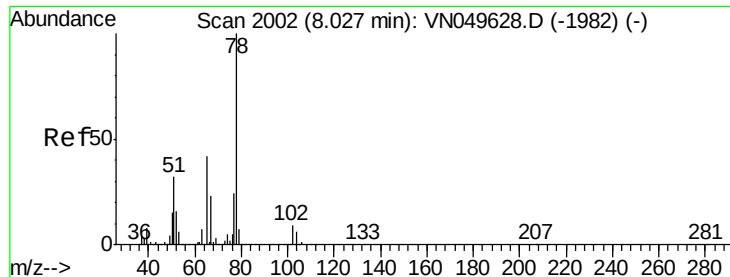
Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Tgt Ion:	97	Resp:	525656
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.0	76.4
61	44.1	35.5	53.3





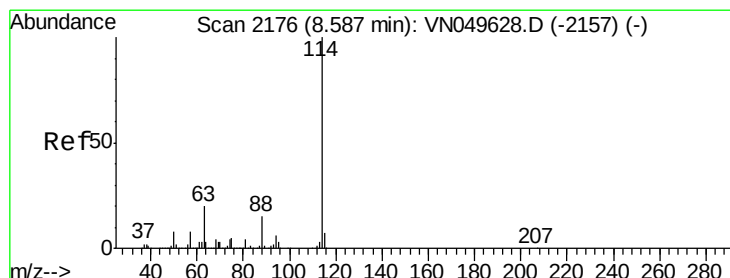
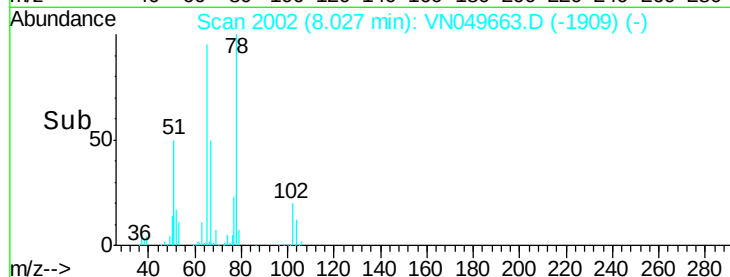
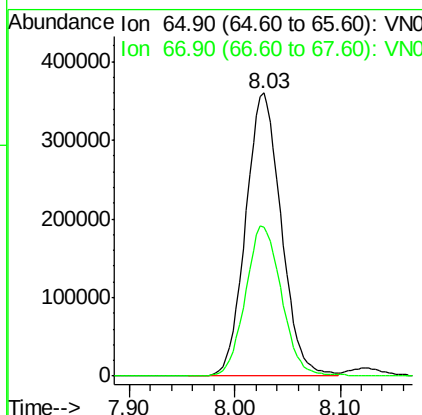
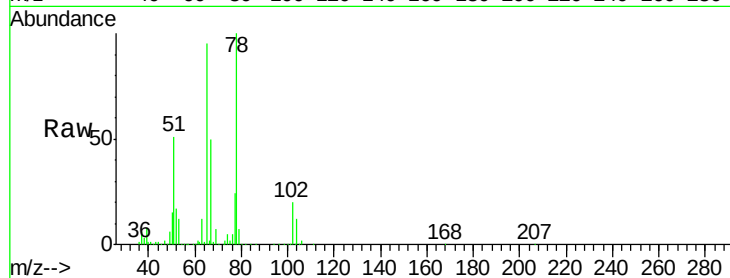
#33
 1,2-Dichloroethane-d4
 Concen: 47.95 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.0	0.0	107.2	

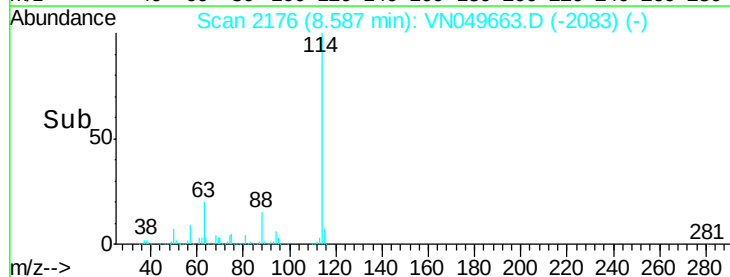
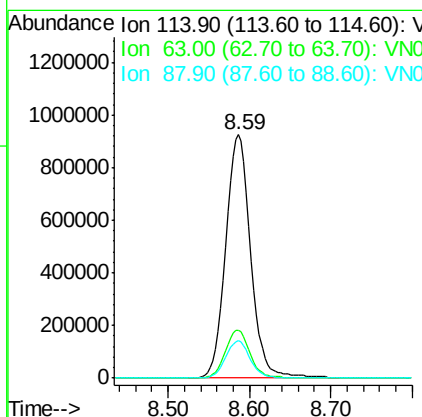
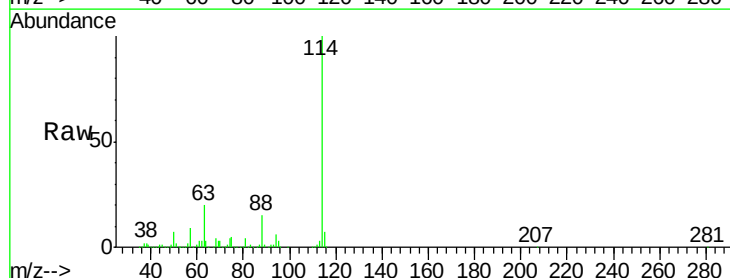
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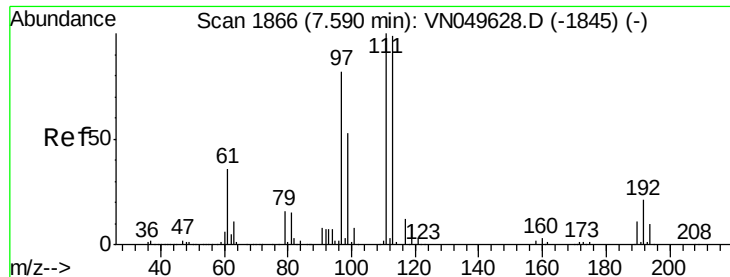
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	39.8	
88	15.2	0.0	30.6	





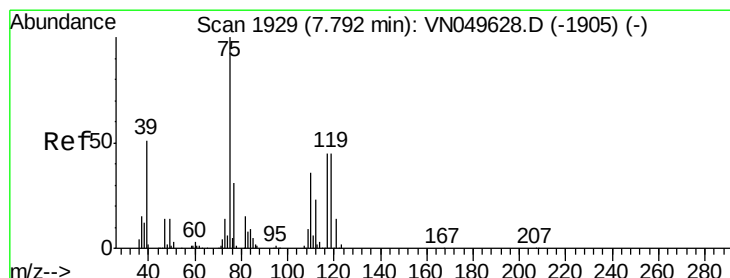
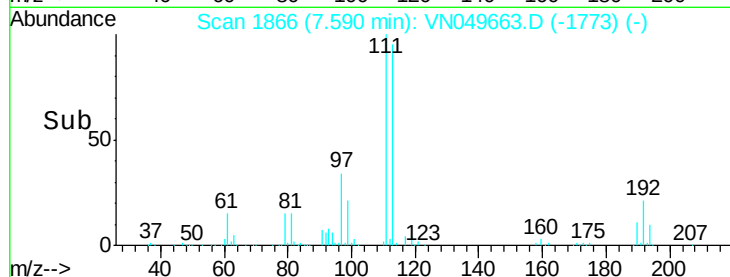
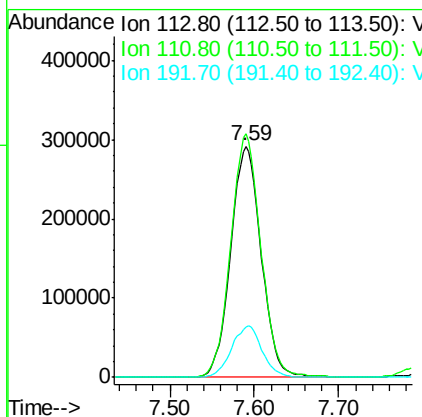
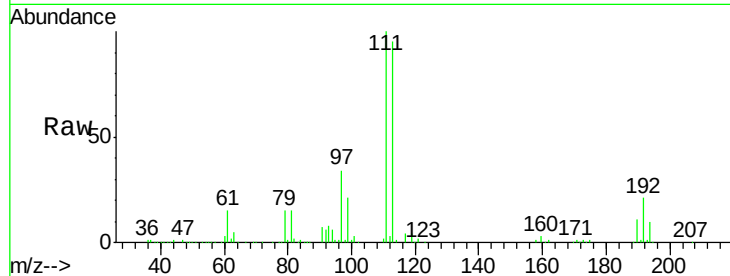
#35
 Dibromofluoromethane
 Concen: 49.14 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampled :
 VN0702WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.8	122.8
192	22.2	17.8	26.6

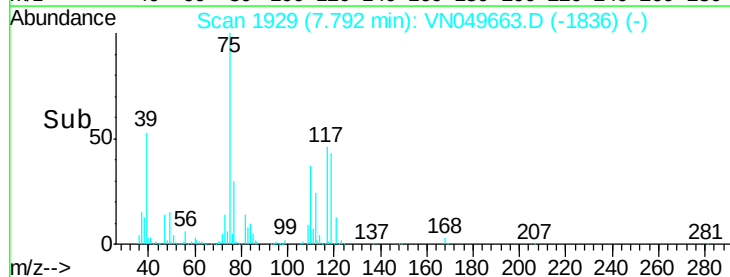
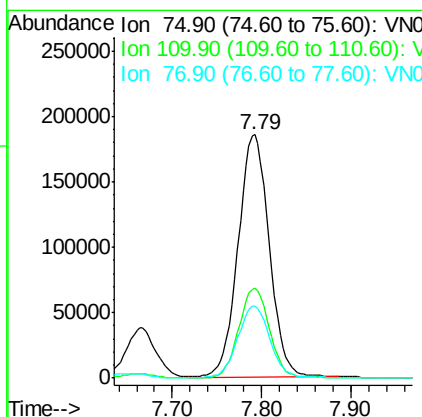
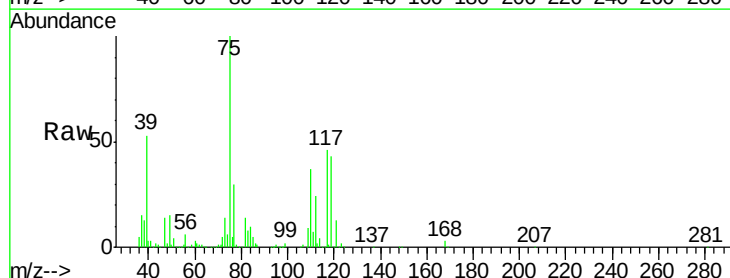
Manual Integrations
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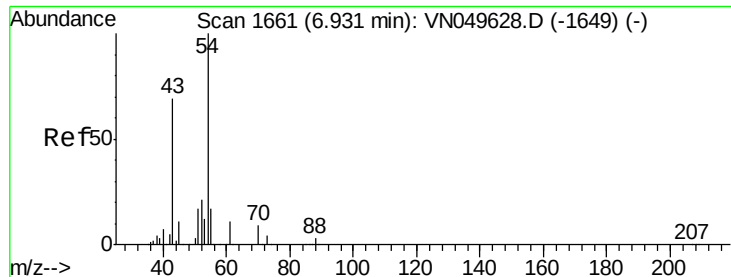
sam
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#36
 1,1-Dichloropropene
 Concen: 20.06 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.1	54.4
77	31.1	24.9	37.3





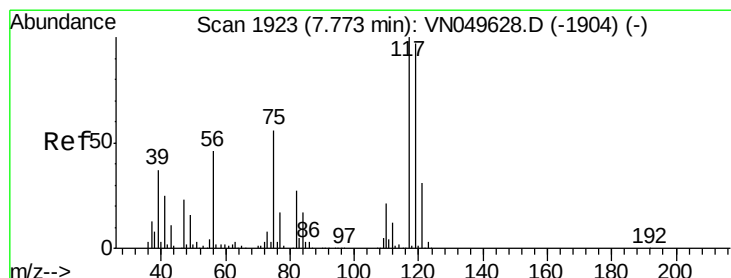
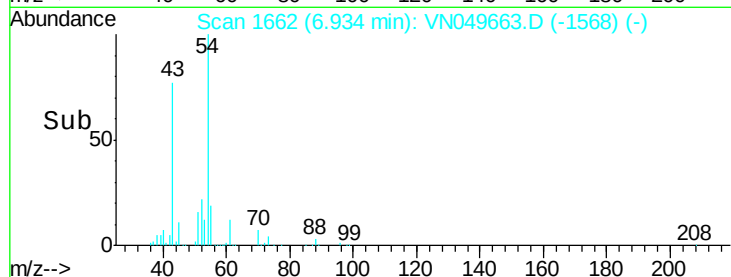
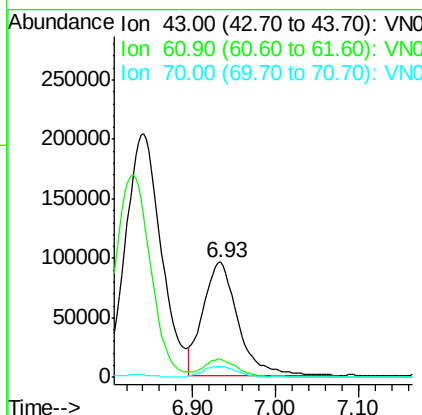
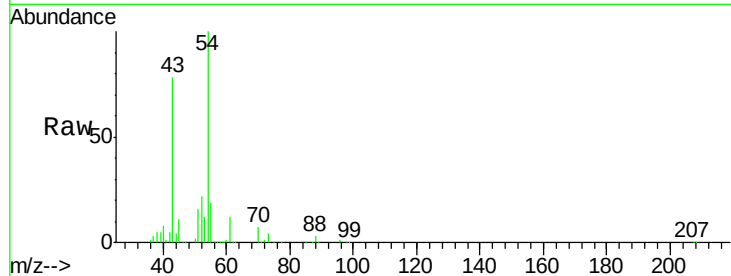
#37
Ethyl Acetate
Concen: 21.67 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
284067	100	13.9	9.8		11.7	17.5
					8.4	12.6

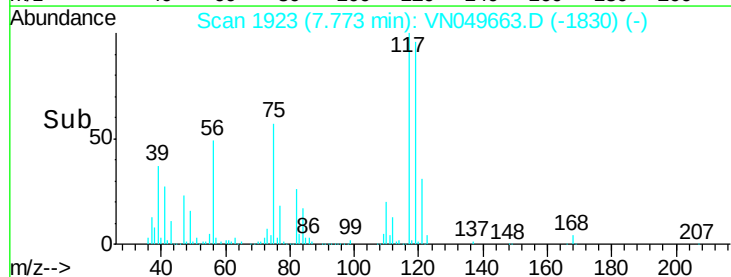
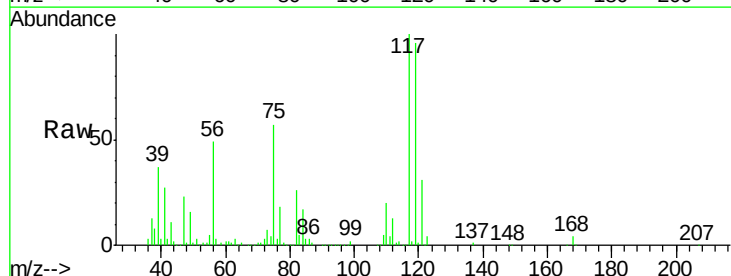
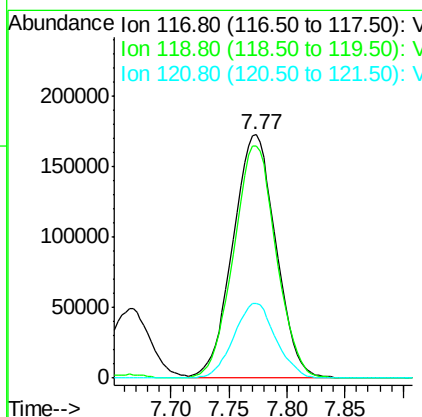
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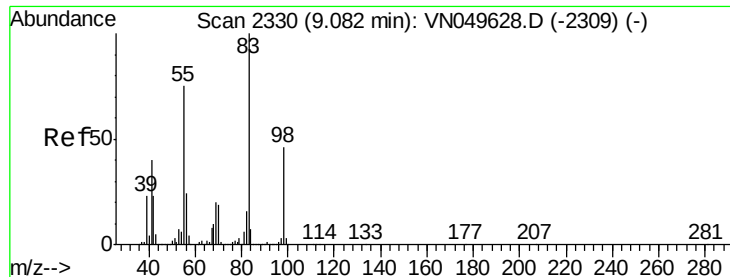
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#38
Carbon Tetrachloride
Concen: 20.23 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion	117	119	121	Ratio	Lower	Upper
442254	100	95.6	30.9		77.2	115.8
					25.0	37.6





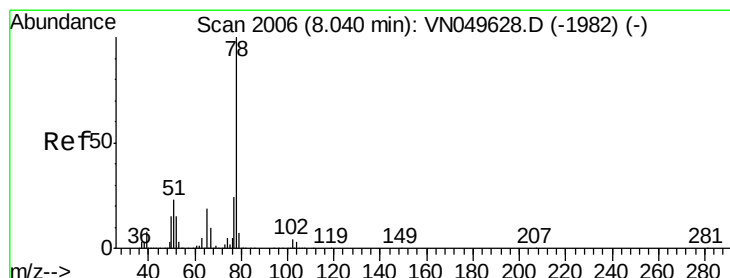
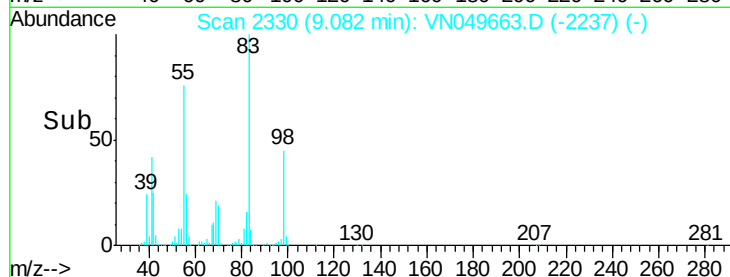
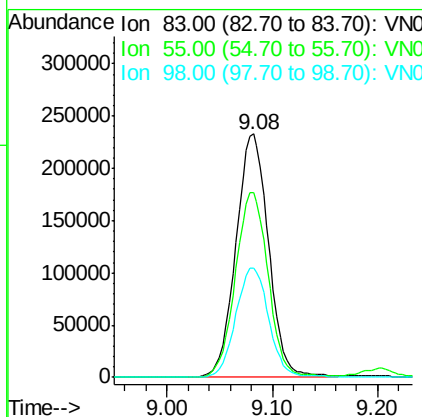
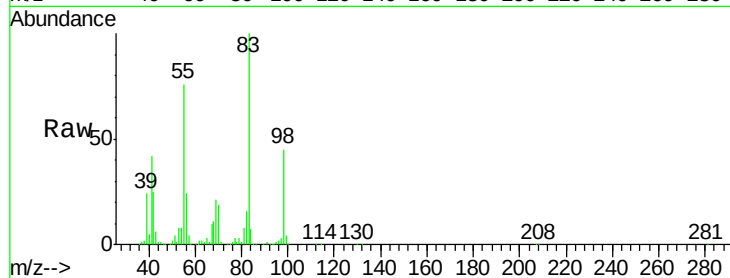
#39
Methylvlcyclohexane
Concen: 20.34 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	59.7	89.5
98	45.0	36.5	54.7

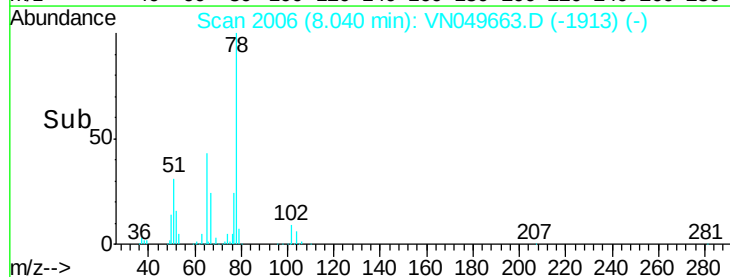
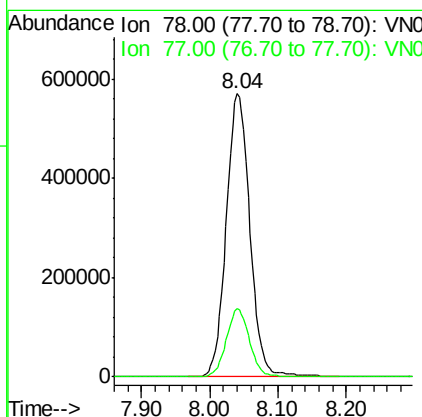
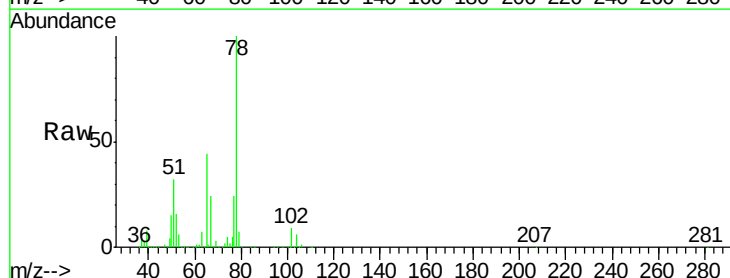
Manual Integrations
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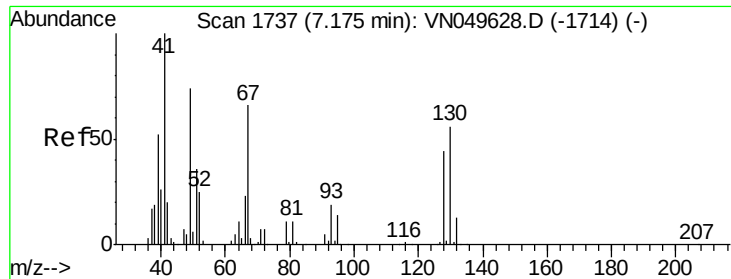
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#40
Benzene
Concen: 20.01 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





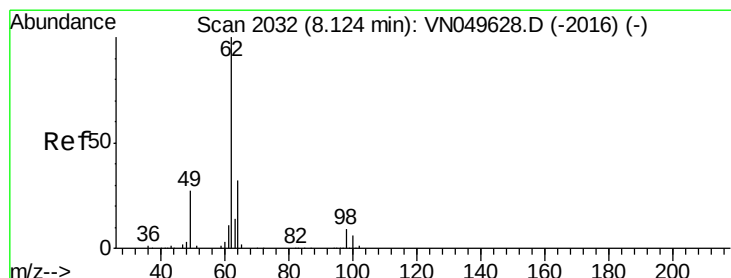
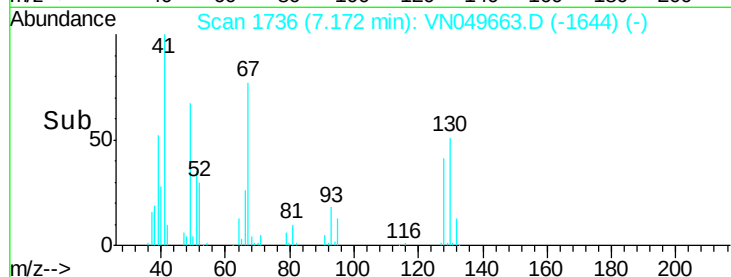
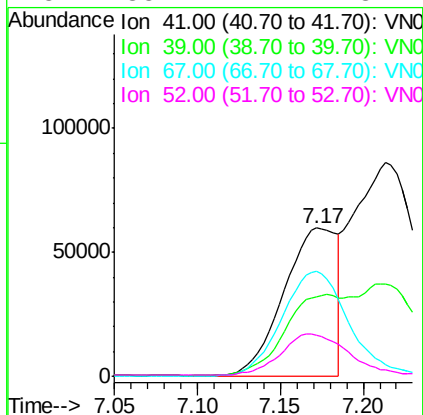
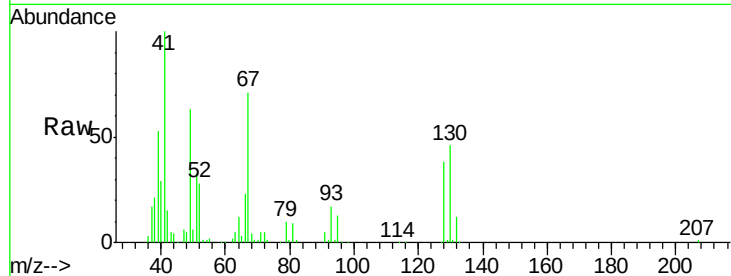
#41
Methacrylonitrile
Concen: 18.02 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion	41	Resp	133170
Ion	Ratio	Lower	Upper
41	100		
39	58.4	45.4	68.2
67	90.4	65.4	98.0
52	35.7	24.7	37.1

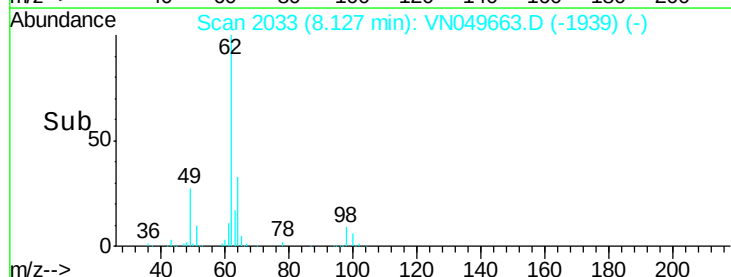
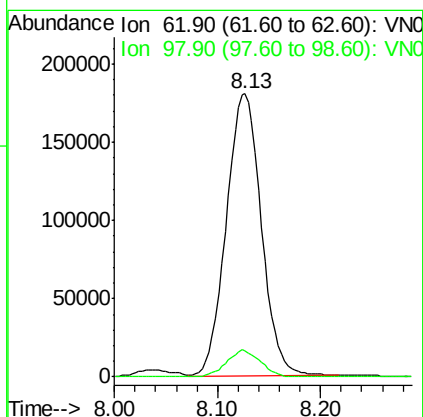
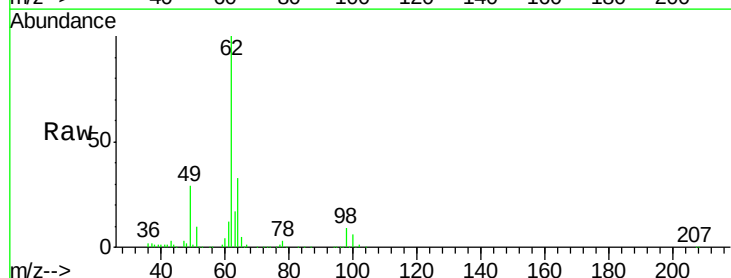
Manual Integrations
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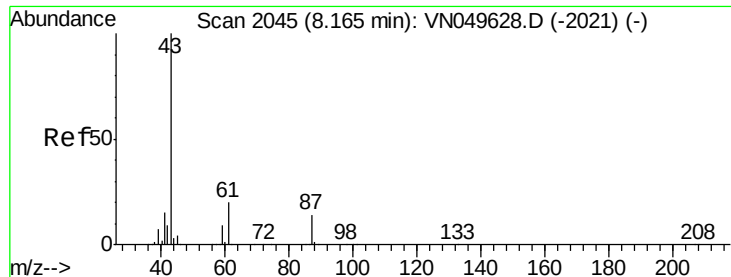
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#42
1,2-Dichloroethane
Concen: 19.49 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion	62	Resp	426919
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.0





#43

Isopropyl Acetate

Concen: 19.62 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

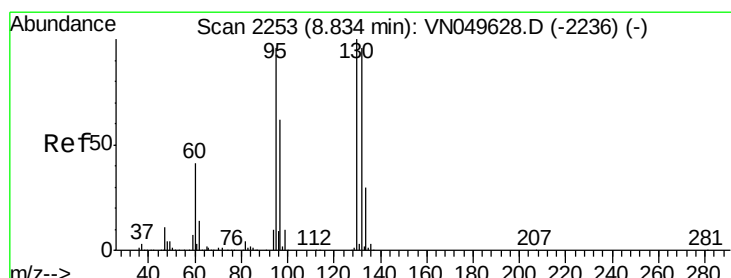
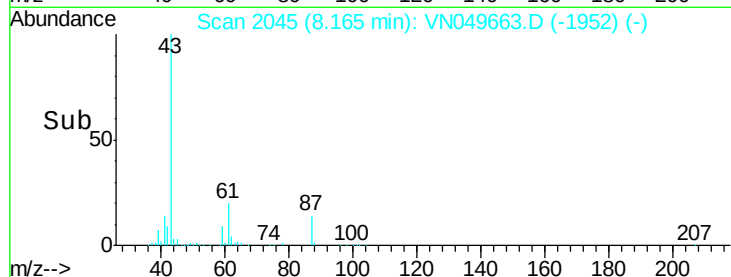
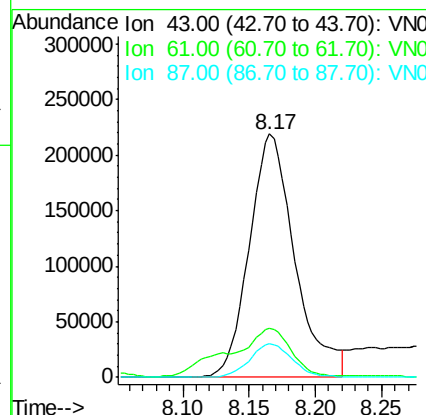
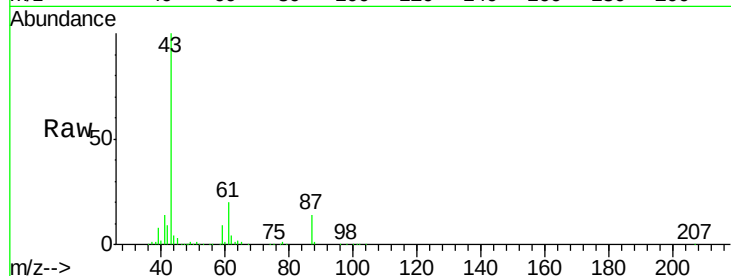
ClientSampleId :

VN0702WBS01

Tot Ion:	43	Resp:	519917
Ion	Ratio	Lower	Upper
43	100		
61	27.1	14.9	22.3#
87	12.9	10.0	15.0

Manual Integrations
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sam
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#44

Trichloroethene

Concen: 19.00 ug/l

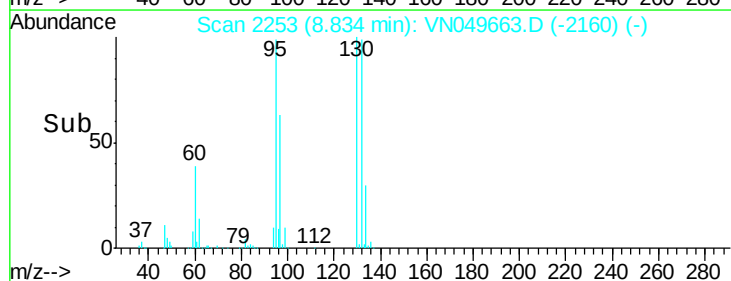
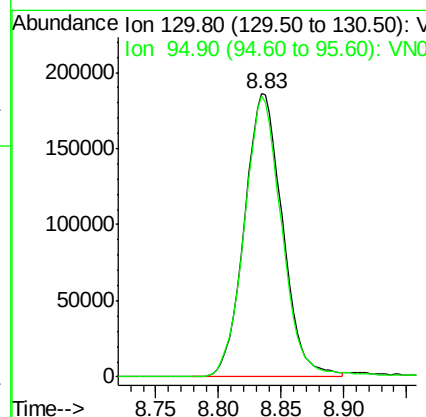
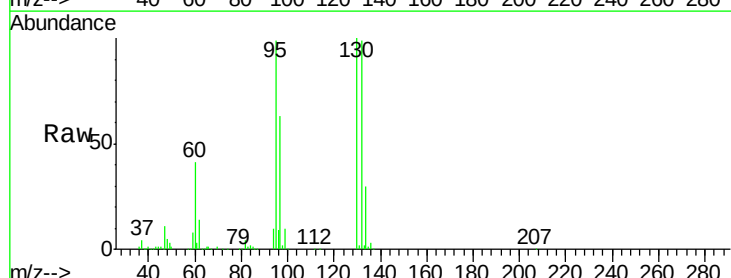
RT: 8.83 min Scan# 2253

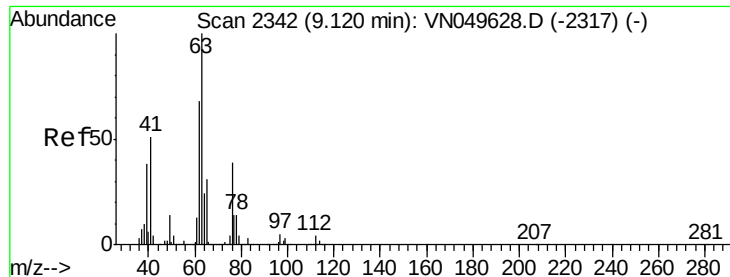
Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Tgt Ion:	130	Resp:	393305
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	192.8





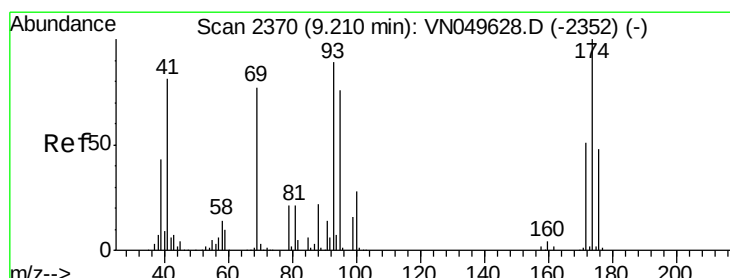
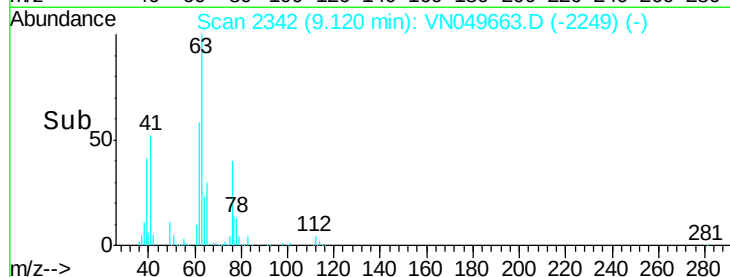
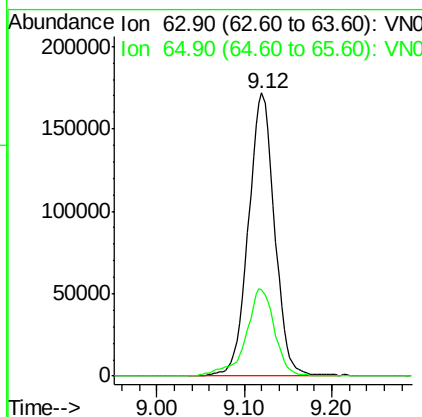
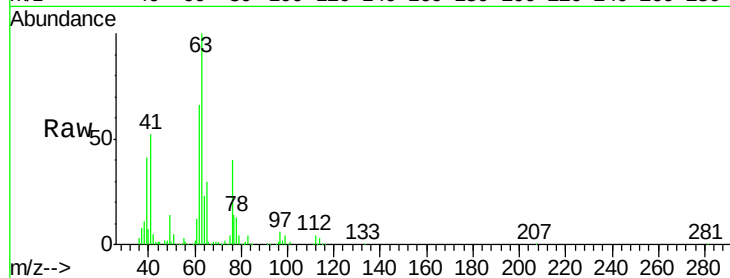
#45
 1,2-Dichloropropane
 Concen: 20.15 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.7	37.1

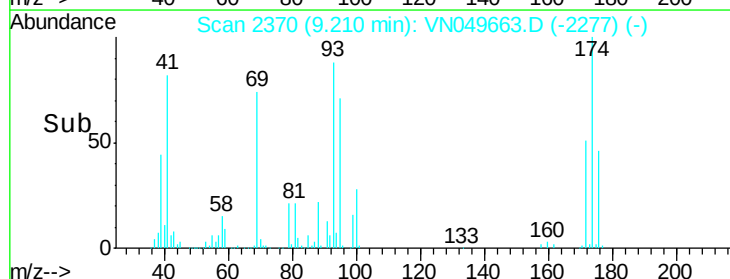
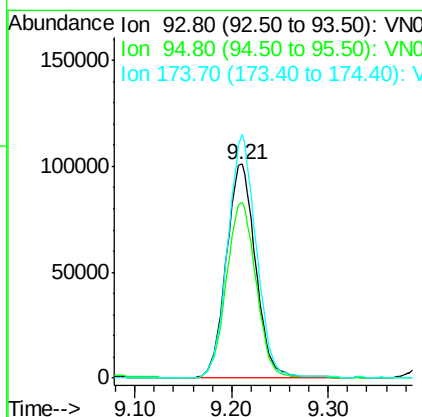
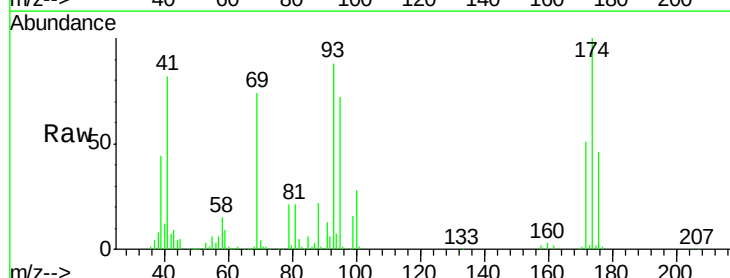
Manual Integrations
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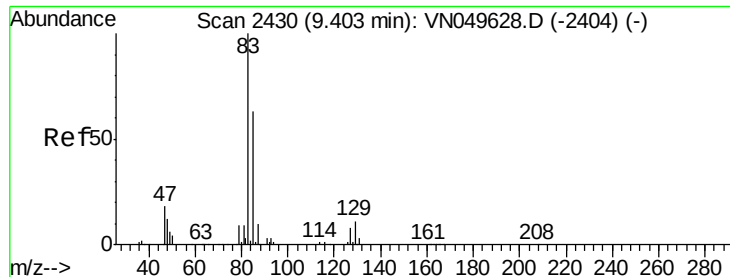
sam
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#46
 Dibromomethane
 Concen: 19.91 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.9	101.9
174	110.0	89.4	134.0





#47

Bromodichloromethane

Concen: 19.98 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

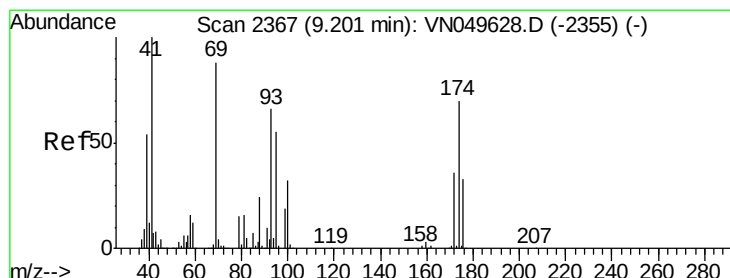
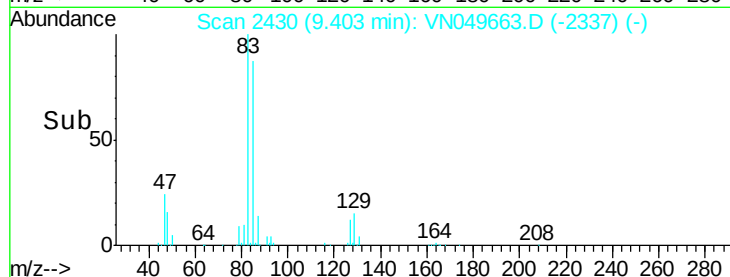
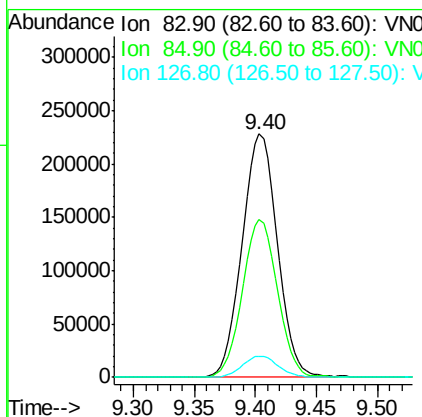
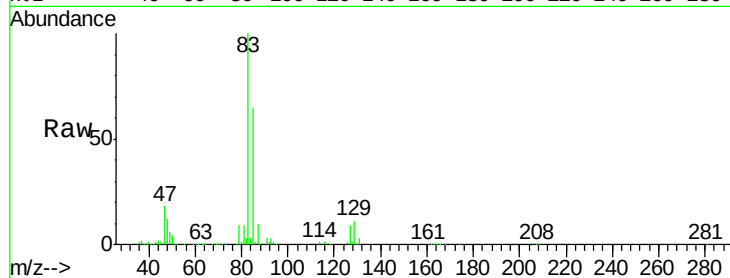
ClientSampleId :

VN0702WBS01

Tot Ion:	83	Resp:	456275
Ion Ratio	Lower	Upper	
83	100		
85	64.9	50.5	75.7
127	8.8	6.8	10.2

Manual Integrations
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sam
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#48

Methyl methacrylate

Concen: 20.79 ug/l

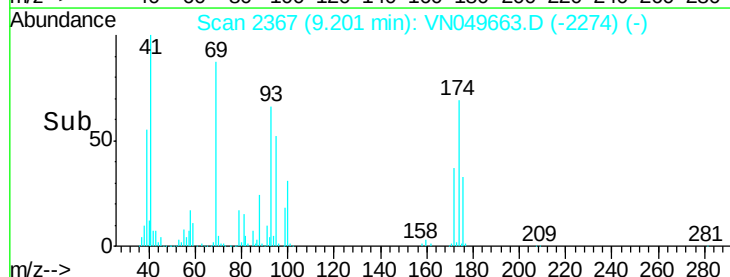
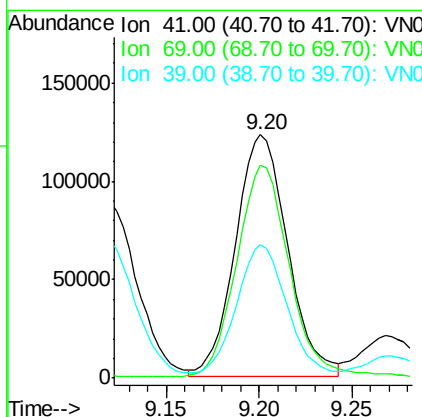
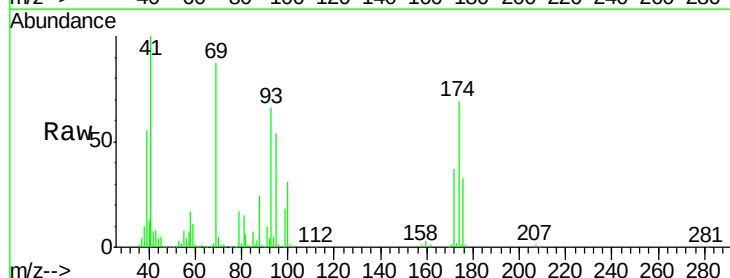
RT: 9.20 min Scan# 2367

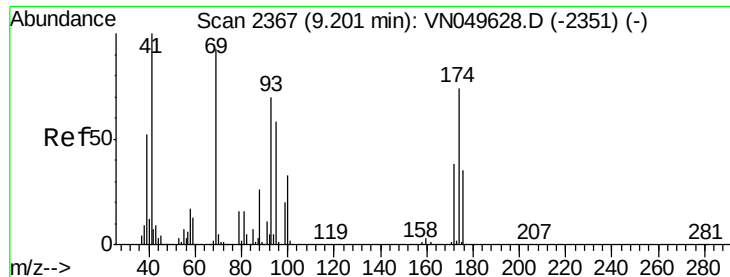
Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Tgt Ion:	41	Resp:	242226
Ion Ratio	Lower	Upper	
41	100		
69	89.1	71.5	107.3
39	53.5	44.7	67.1





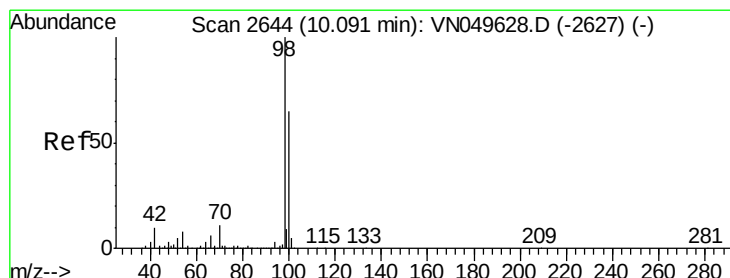
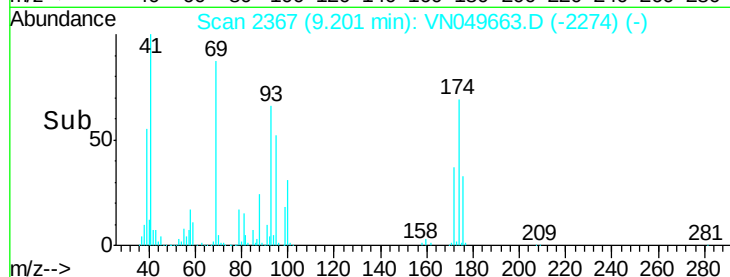
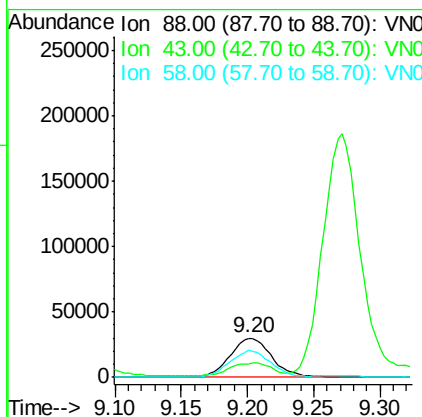
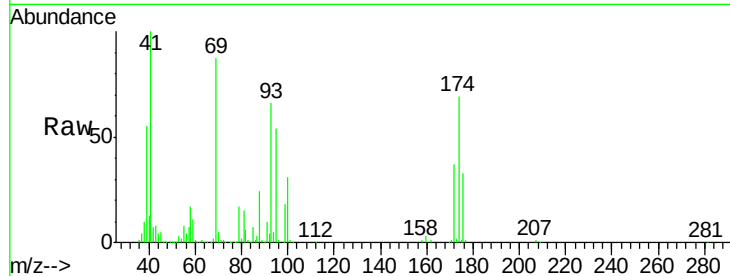
#49
1,4-Dioxane
Concen: 419.69 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion	88	Resp	65735
Ion	Ratio	Lower	Upper
88	100		
43	32.5	25.1	37.7
58	67.9	52.5	78.7

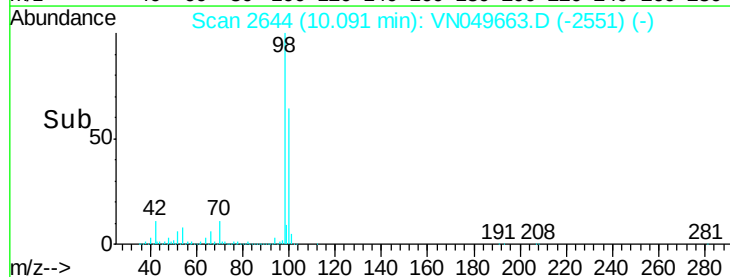
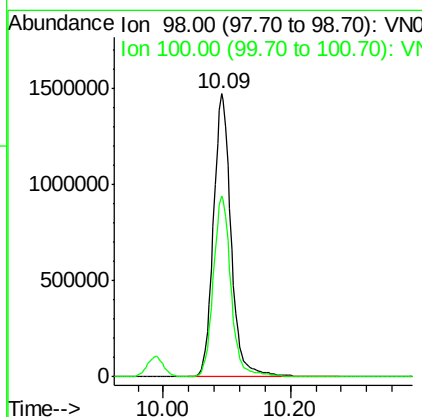
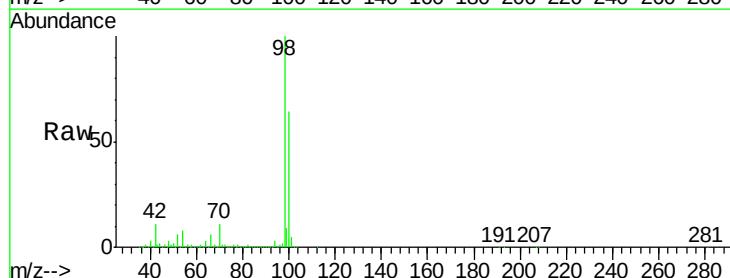
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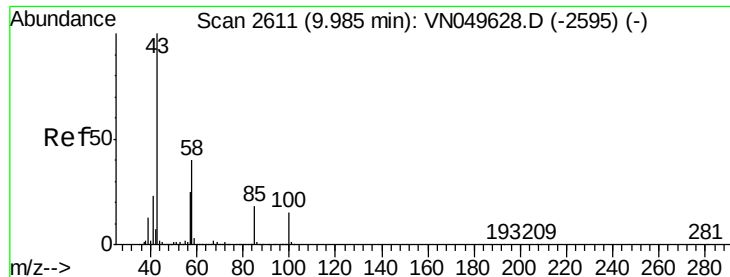
sam
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#50
Toluene-d8
Concen: 48.34 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion	98	Resp	2826332
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5





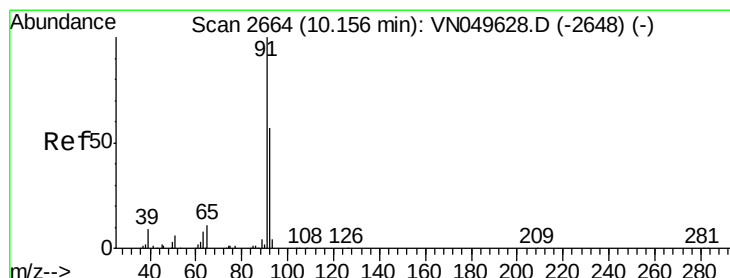
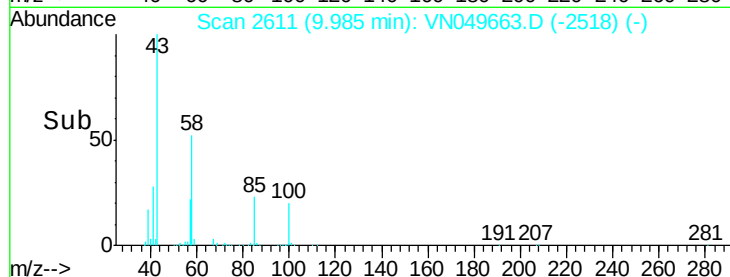
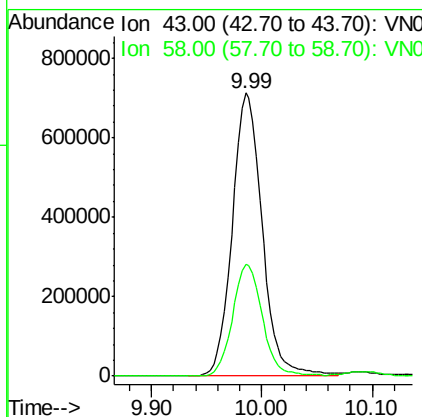
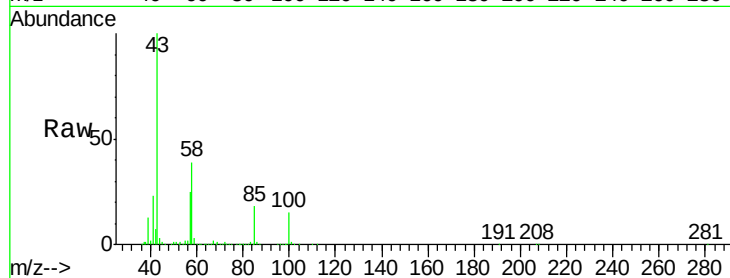
#51
4-Methyl-2-Pentanone
Concen: 104.02 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion: 43 Resp: 1337042
Ion Ratio Lower Upper
43 100
58 39.4 31.8 47.8

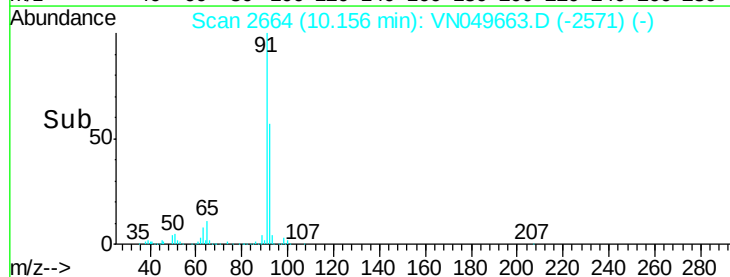
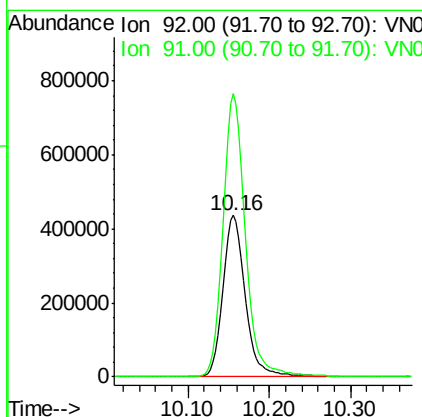
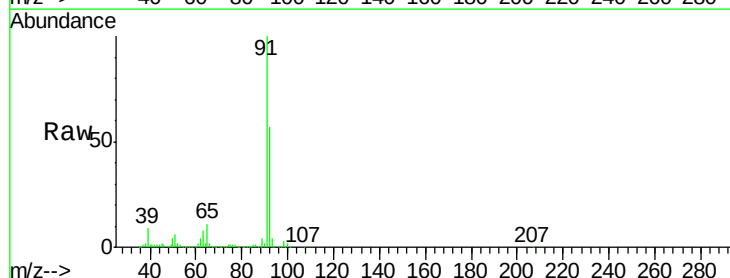
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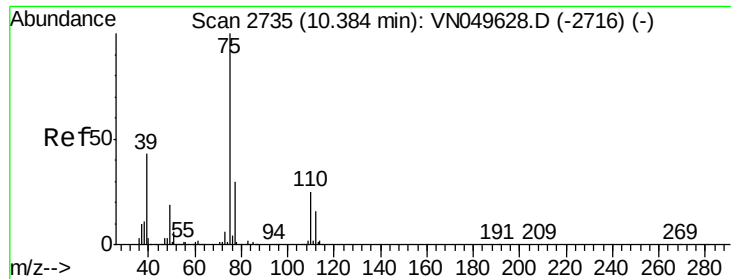
Sam
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#52
Toluene
Concen: 20.51 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion: 92 Resp: 850348
Ion Ratio Lower Upper
92 100
91 175.5 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 19.62 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

Tot Ion: 75 Resp: 428970

Ion Ratio Lower Upper

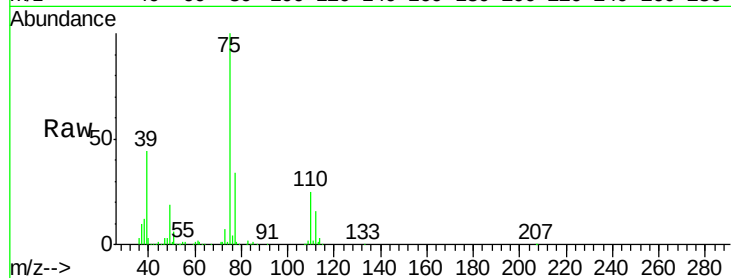
75 100

77 33.2 25.2 37.8

Manual Integrations
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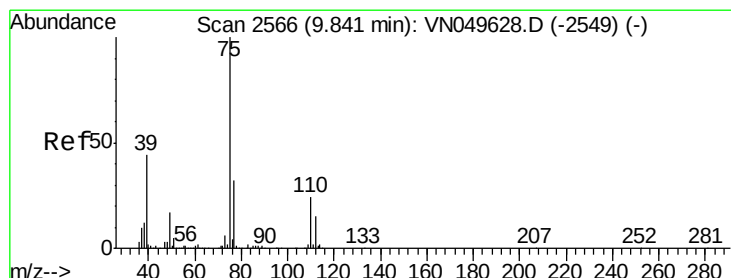
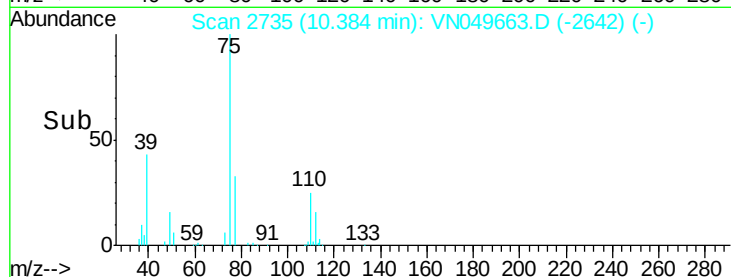
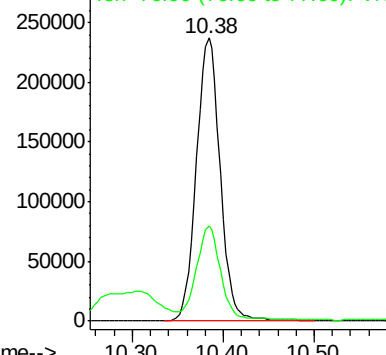
sam

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.87 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

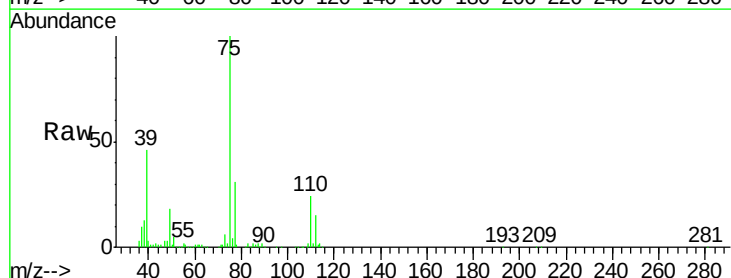
Tgt Ion: 75 Resp: 507780

Ion Ratio Lower Upper

75 100

77 30.8 25.3 37.9

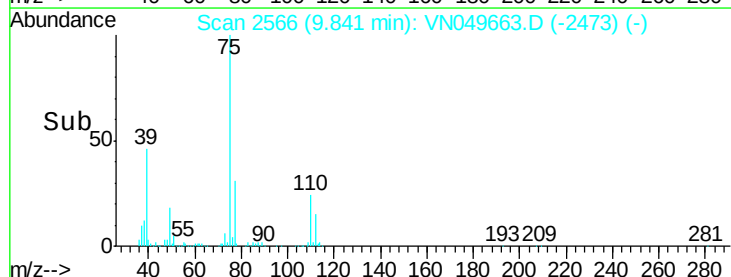
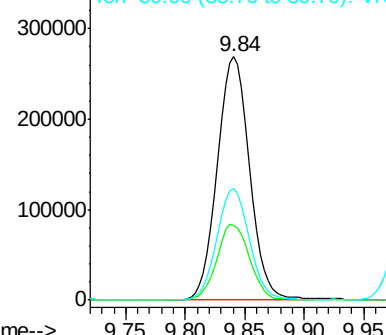
39 45.5 35.5 53.3

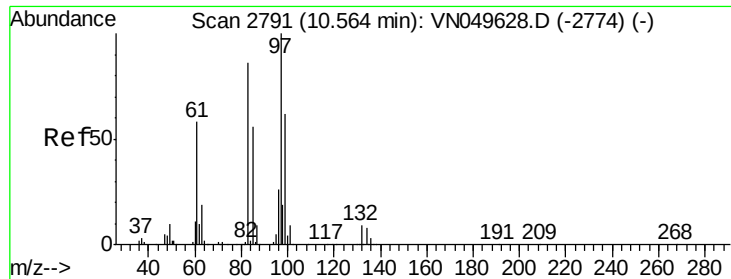


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





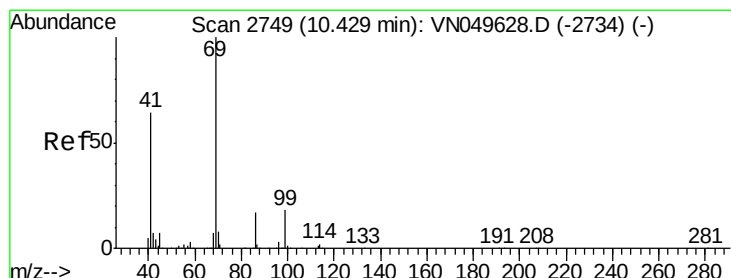
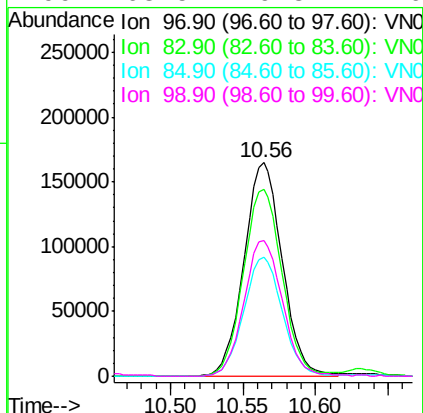
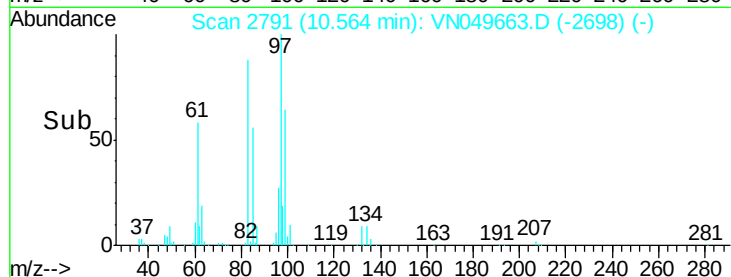
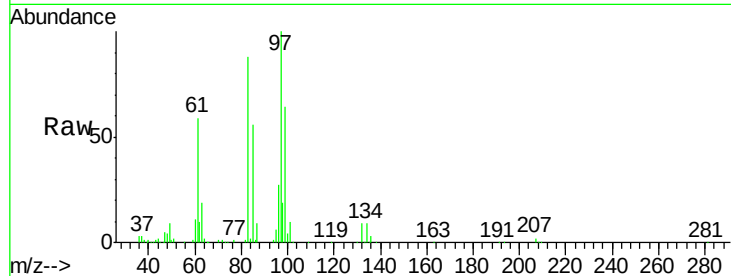
#55
 1,1,2-Trichloroethane
 Concen: 19.57 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampled :
 VN0702WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		302204		
83	87.7	69.0	103.6		
85	55.6	44.9	67.3		
99	63.5	49.8	74.6		

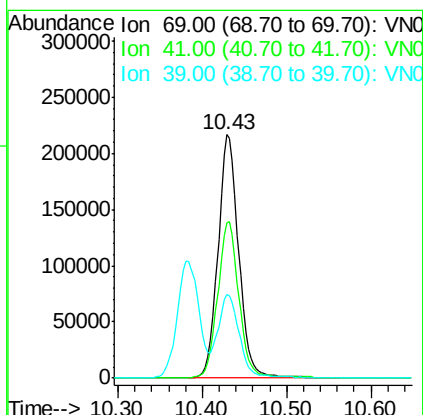
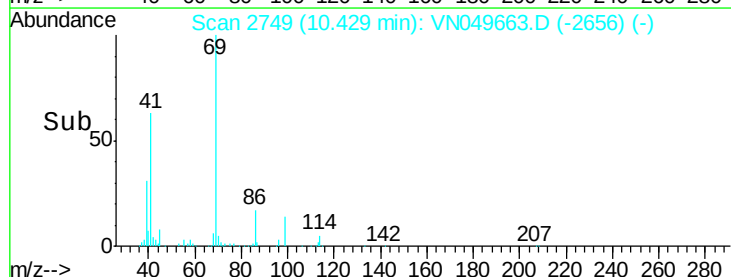
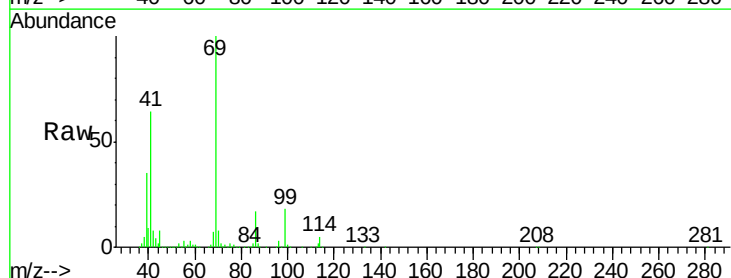
Manual Integrations
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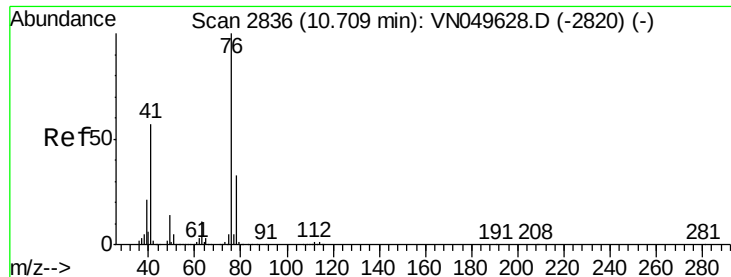
sam
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#56
 Ethyl methacrylate
 Concen: 20.44 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		369924		
41	64.0	51.6	77.4		
39	33.5	25.8	38.8		





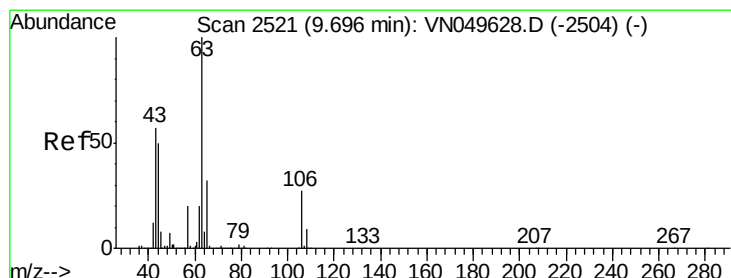
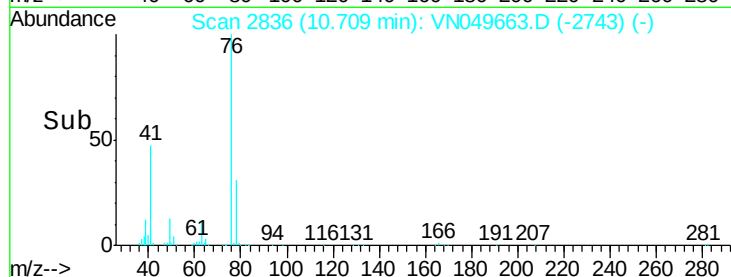
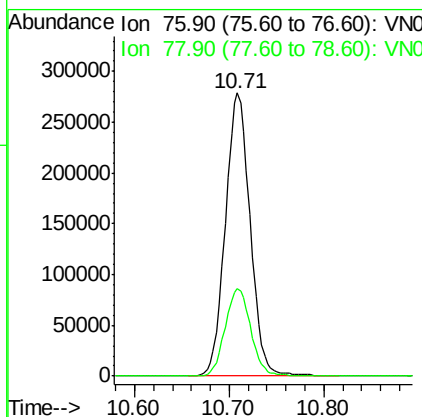
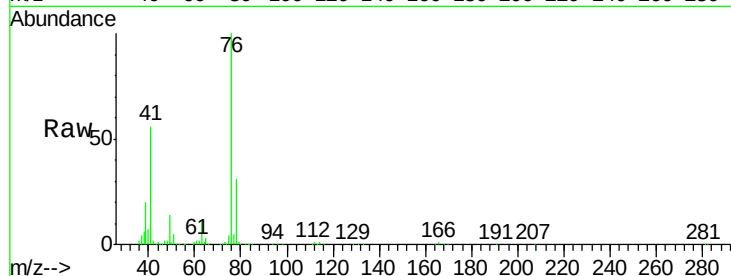
#57
 1,3-Dichloropropane
 Concen: 20.28 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

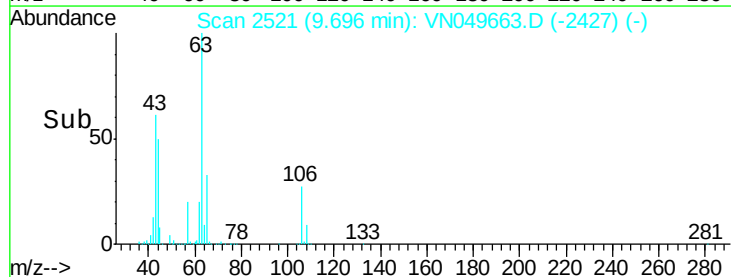
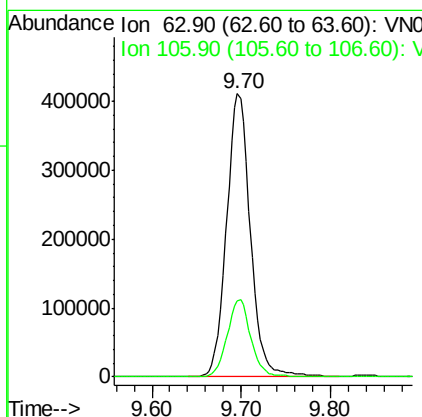
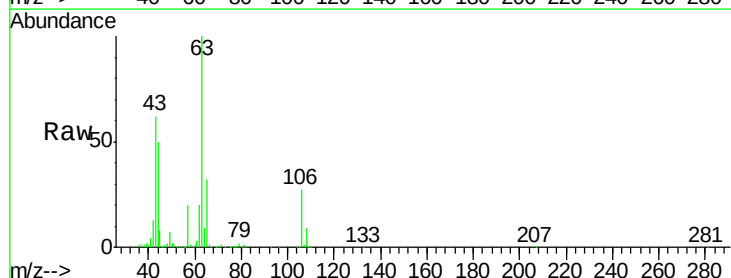
Manual Integrations
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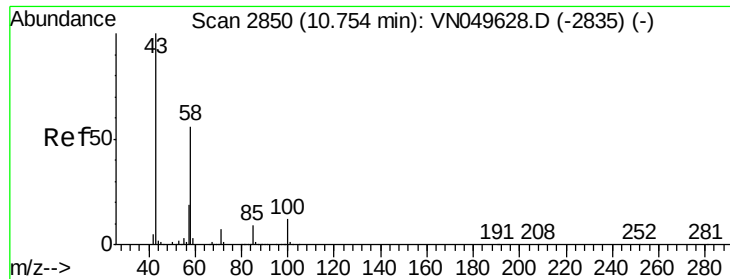
sam
 7/3/2018 3:51:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.06 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.8	32.8





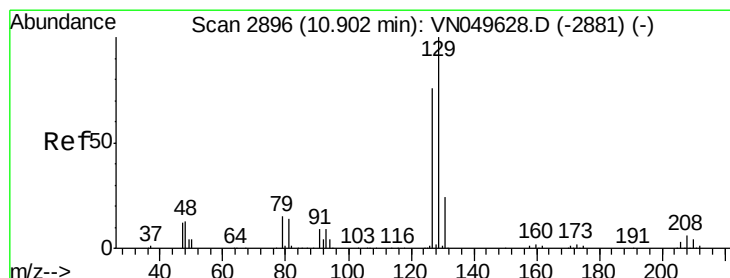
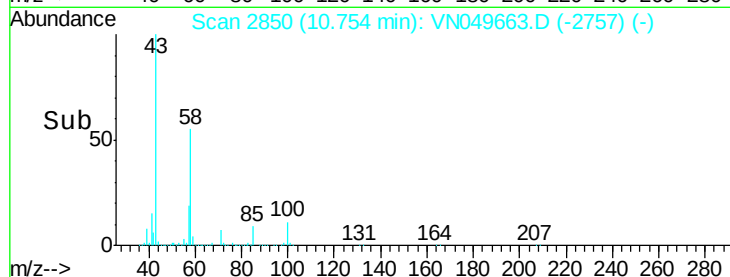
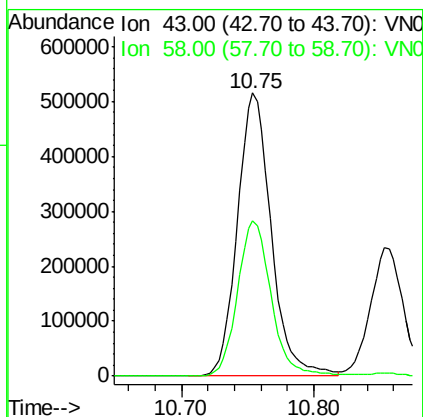
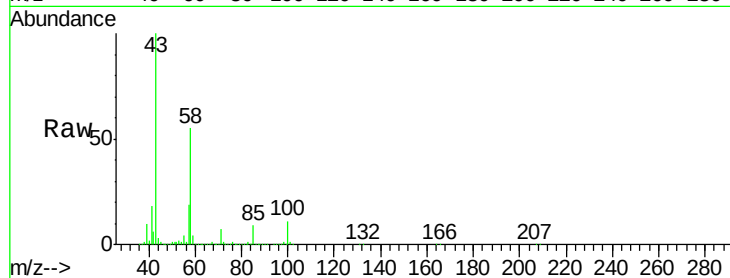
#59
2-Hexanone
Concen: 107.01 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBS01

Tot Ion: 43 Resp: 909576
Ion Ratio Lower Upper
43 100
58 55.0 27.8 83.4

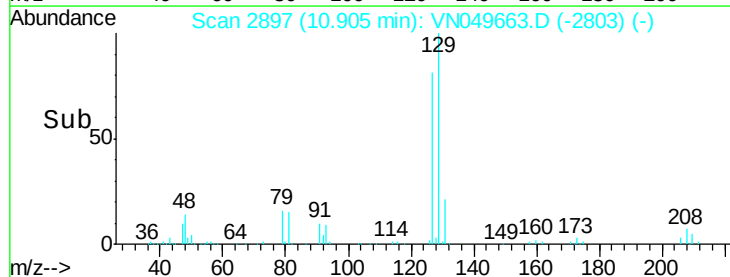
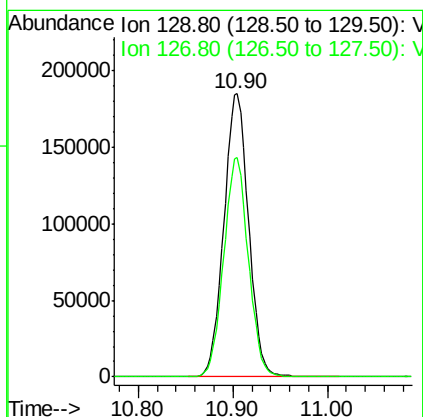
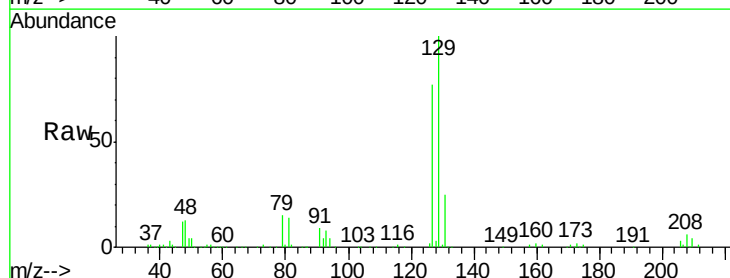
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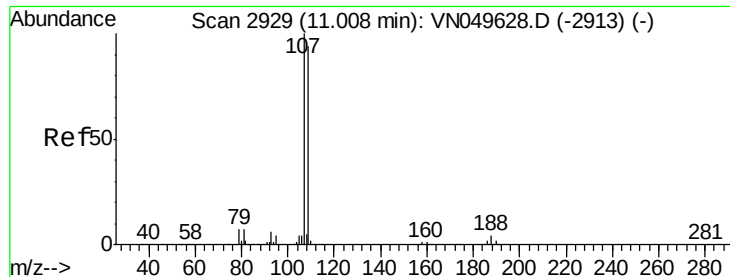
sam
7/3/2018 3:51:26 PM



#60
Dibromochloromethane
Concen: 20.20 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion: 129 Resp: 337074
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.9





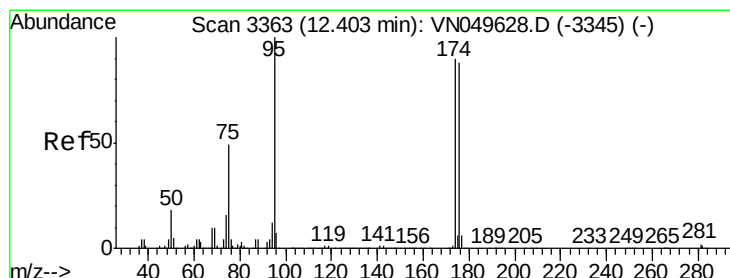
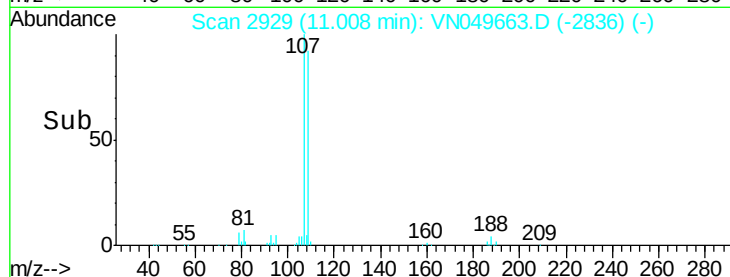
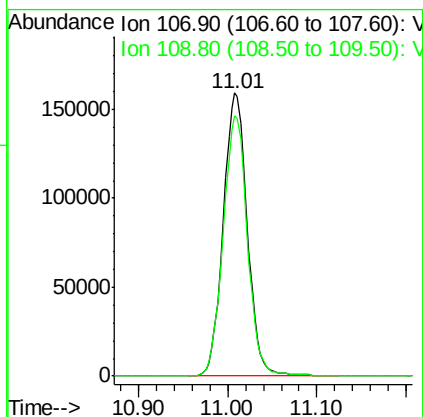
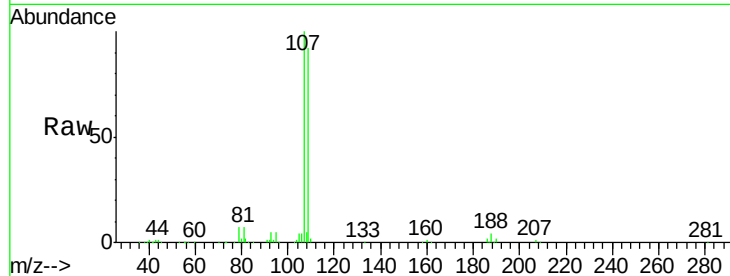
#61
 1,2-Dibromoethane
 Concen: 20.05 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

Tot Ion: 107 Resp: 296574
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.0 112.6

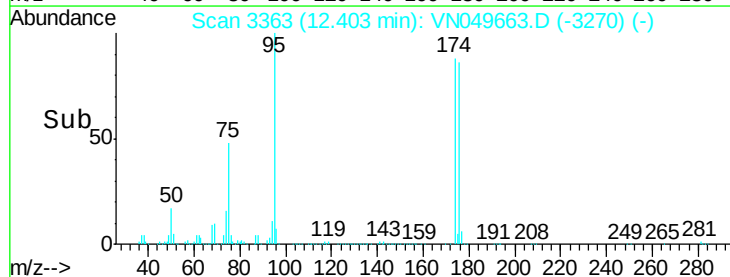
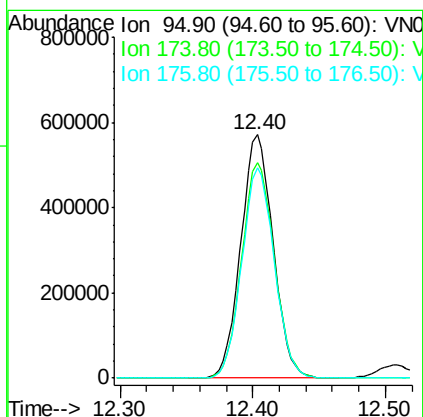
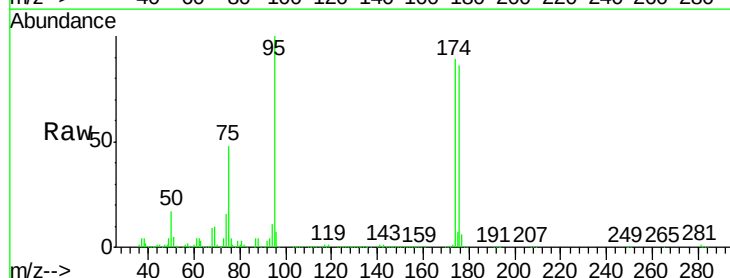
Manual Integrations
 APPROVED

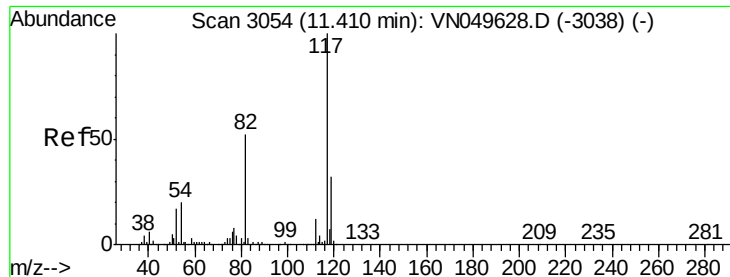
sam
 7/3/2018 3:51:26 PM



#62
 4-Bromofluorobenzene
 Concen: 48.36 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Tgt Ion: 95 Resp: 965293
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 179.6
 176 86.9 0.0 174.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

Tot Ion:117 Resp: 1789240

Ion Ratio Lower Upper

117 100

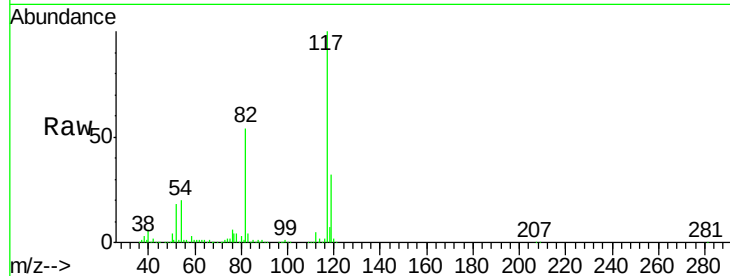
82 53.7 41.9 62.9

119 32.1 25.4 38.2

Manual Integrations
APPROVED

sam

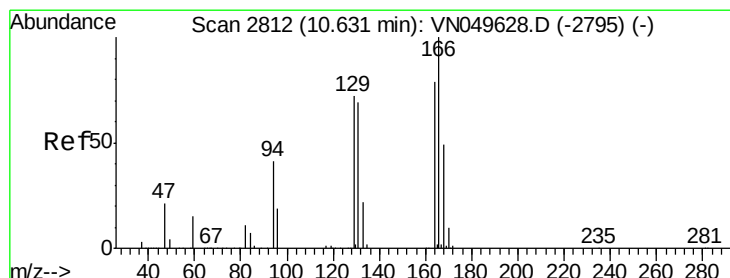
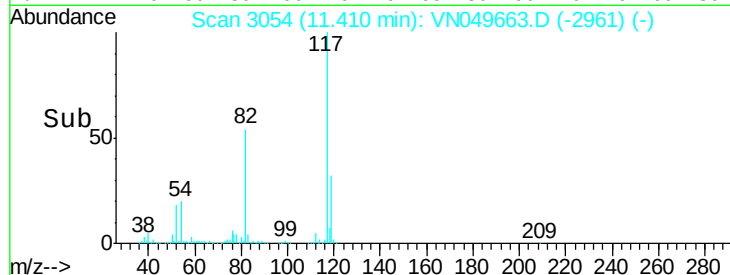
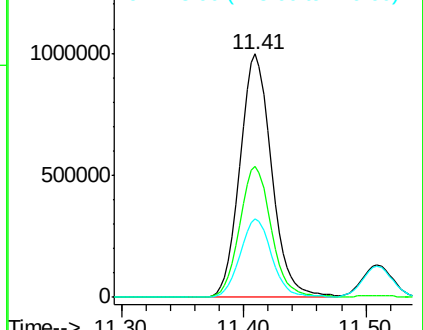
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.08 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Tgt Ion:164 Resp: 462344

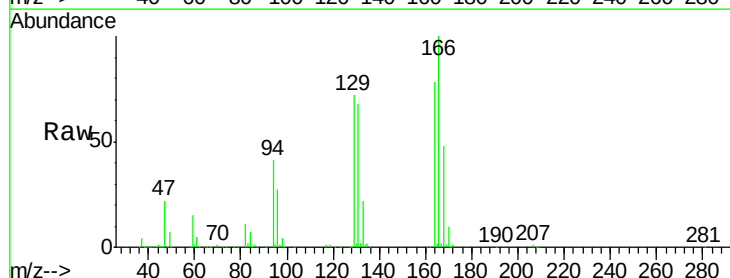
Ion Ratio Lower Upper

164 100

166 129.0 101.8 152.6

129 92.8 72.8 109.2

131 88.3 70.0 105.0

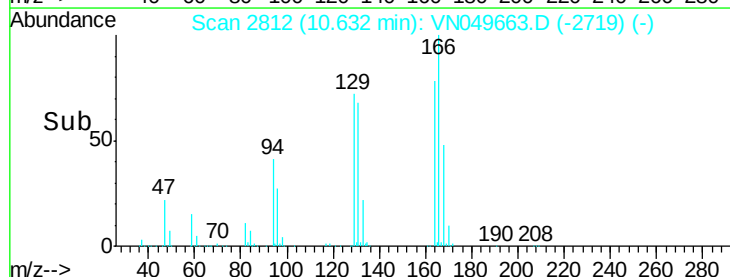
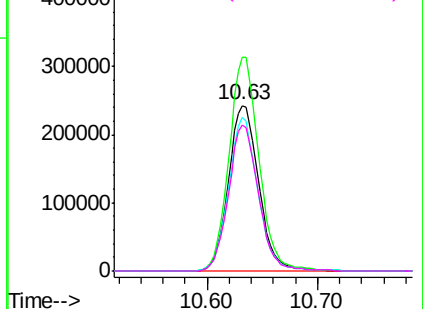


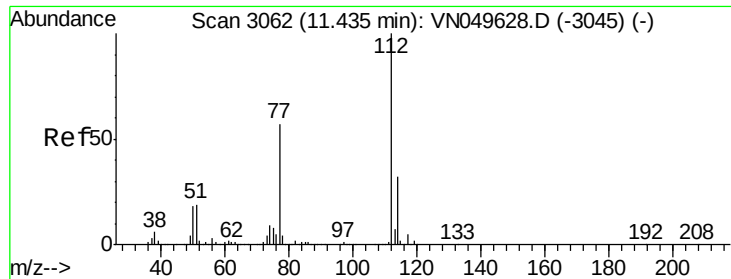
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





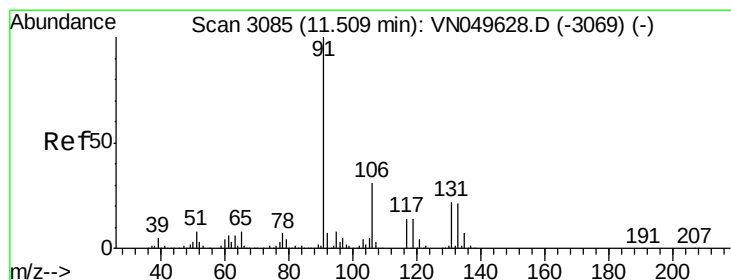
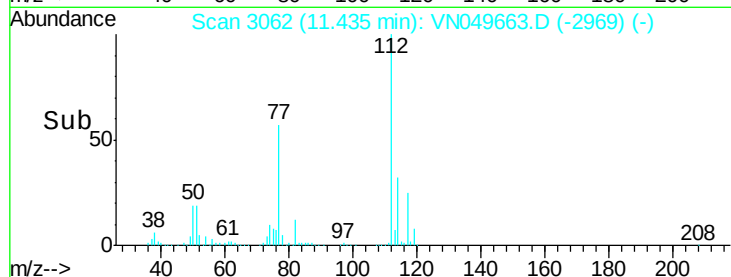
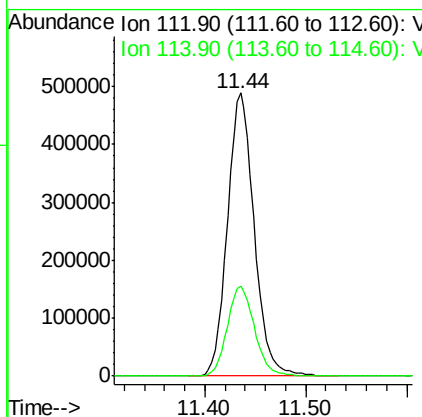
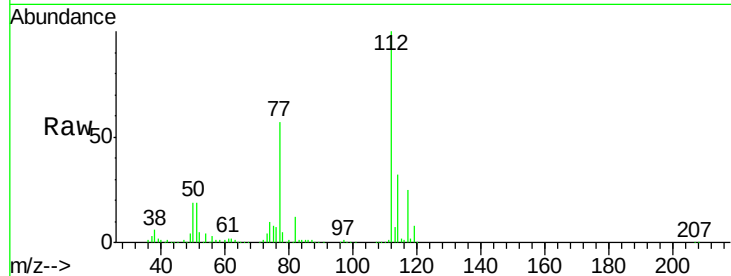
#65
Chlorobenzene
Concen: 19.37 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion:112 Resp: 904289
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0

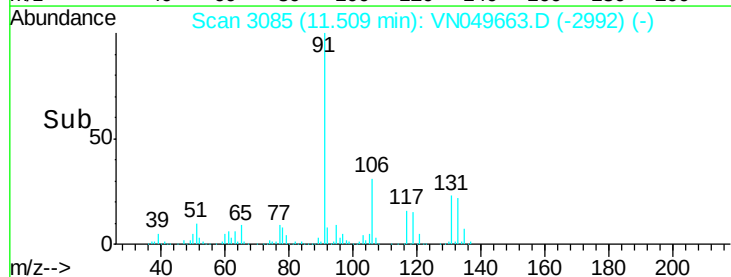
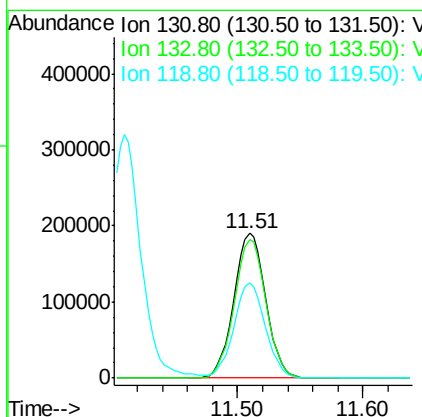
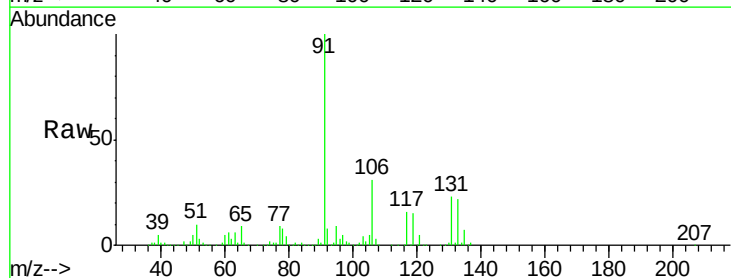
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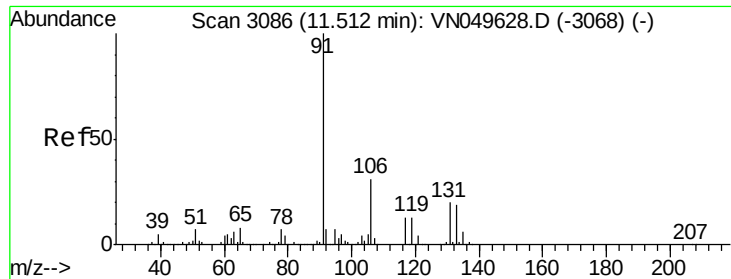
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.96 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion:131 Resp: 334838
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.6
119 65.4 33.1 99.3





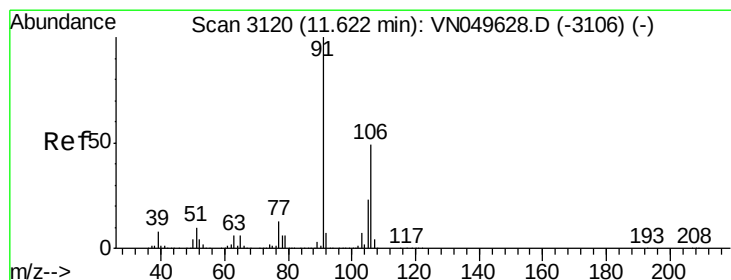
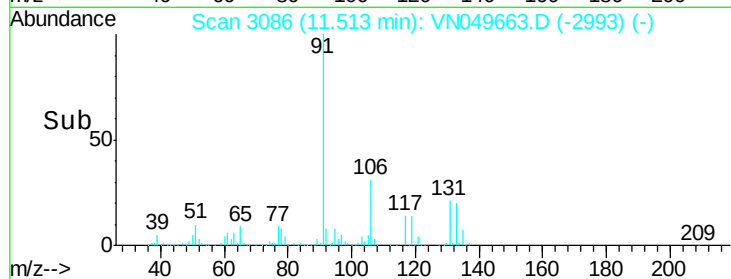
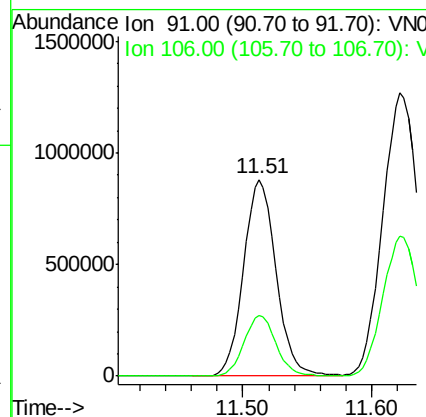
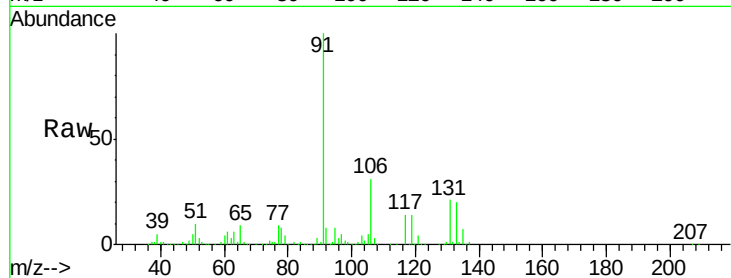
#67
Ethyl Benzene
Concen: 20.02 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion: 91 Resp: 1544772
Ion Ratio Lower Upper
91 100
106 31.2 24.8 37.2

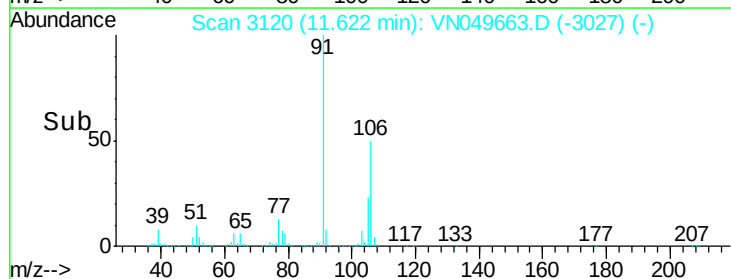
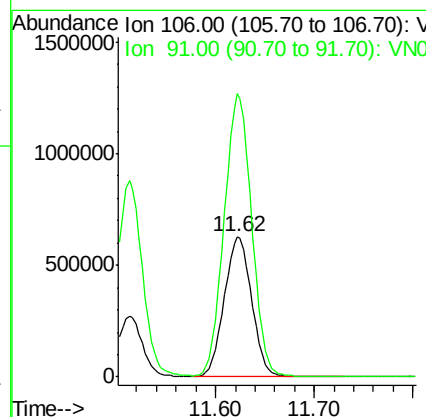
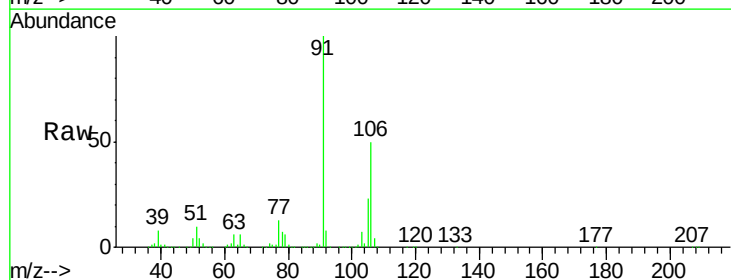
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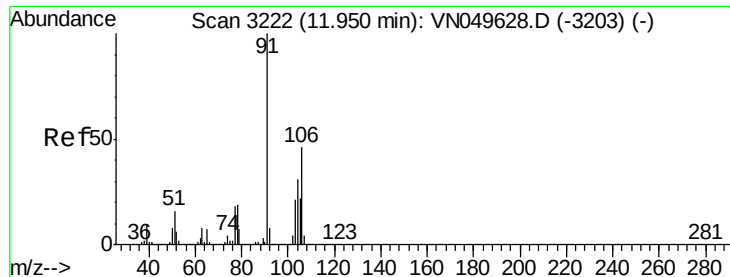
sam
7/3/2018 3:51:26 PM



#68
m/p-Xylenes
Concen: 41.37 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion: 106 Resp: 1223292
Ion Ratio Lower Upper
106 100
91 202.5 163.4 245.2





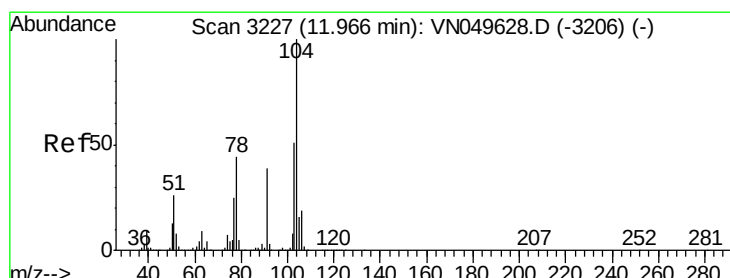
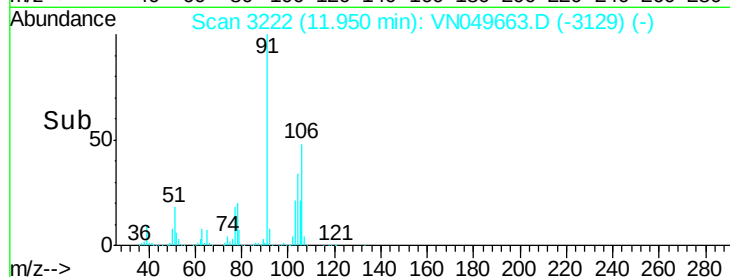
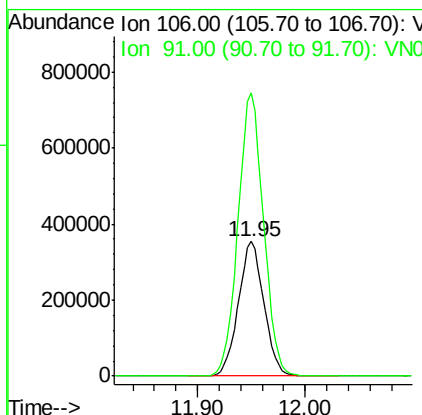
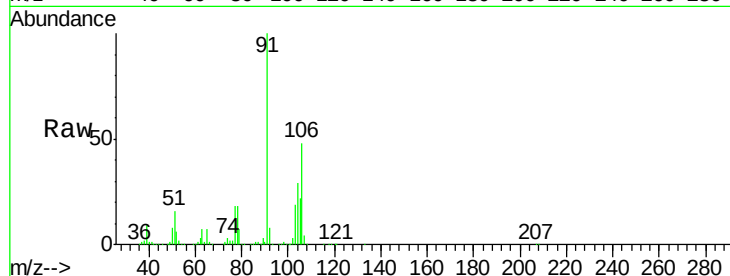
#69
o-Xylene
Concen: 20.63 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		584126		
91	210.4	108.7	326.1		

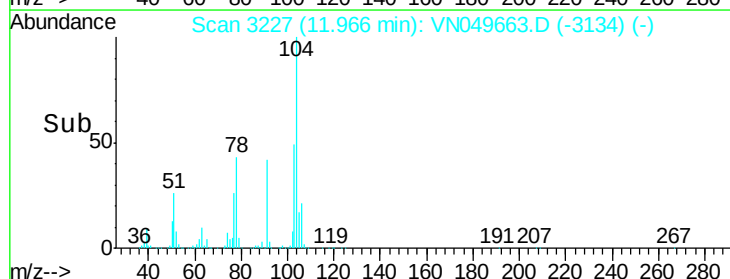
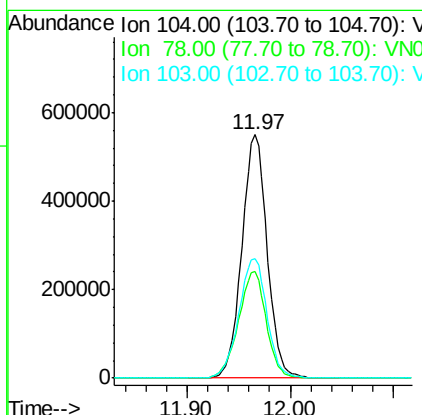
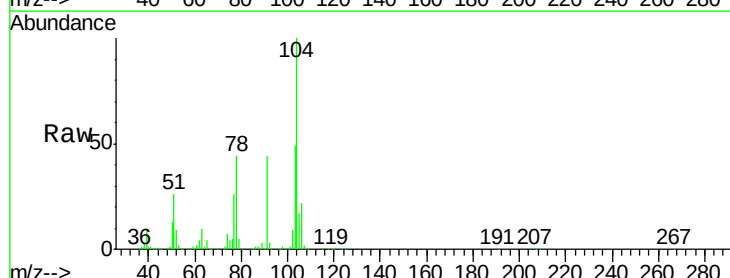
Manual Integrations
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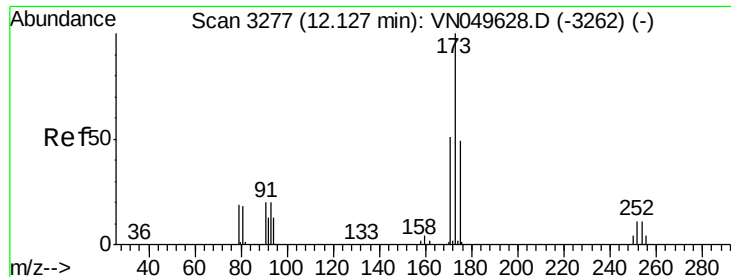
sam
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#70
Styrene
Concen: 20.46 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		937286		
78	48.2	39.2	58.8		
103	54.8	44.6	67.0		





#71

Bromoform

Concen: 20.26 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

Tot Ion:173 Resp: 225759

Ion Ratio Lower Upper

173 100

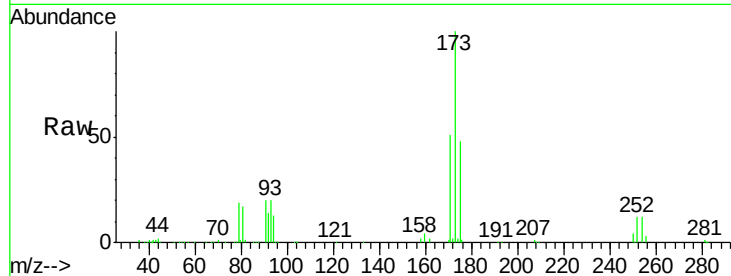
175 47.9 24.6 73.8

254 0.0 0.2 0.2#

Manual Integrations
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sam

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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

12.13

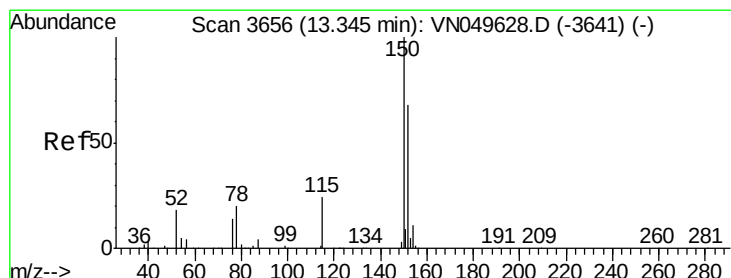
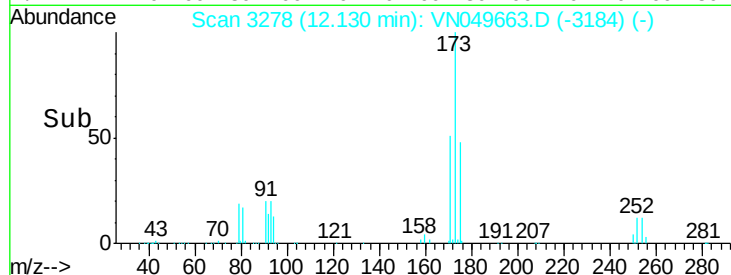
150000

100000

50000

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

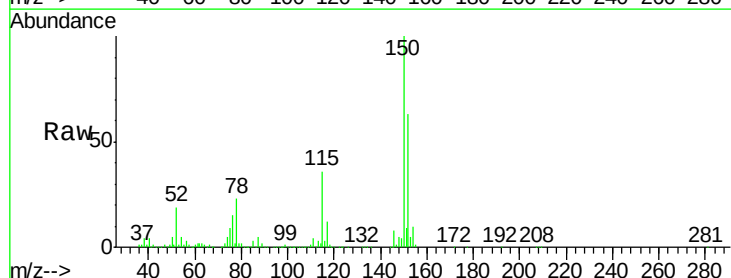
Tgt Ion:152 Resp: 943582

Ion Ratio Lower Upper

152 100

115 56.5 28.1 84.2

150 165.2 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

13.35

1200000

1000000

800000

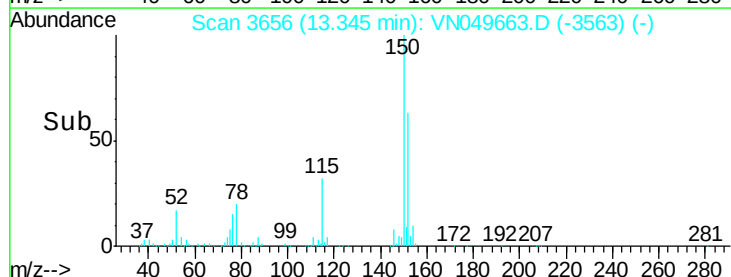
600000

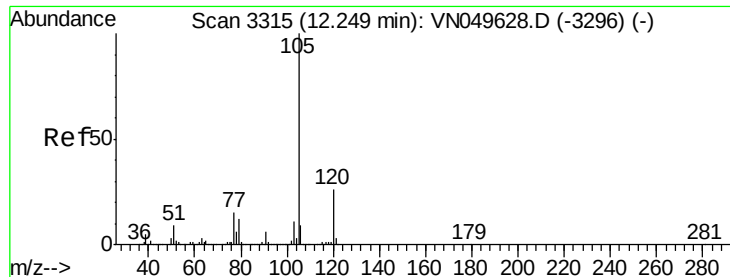
400000

200000

0

Time-->





#73

Isopropylbenzene

Concen: 20.22 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

Tot Ion:105 Resp: 1519583

Ion Ratio Lower Upper

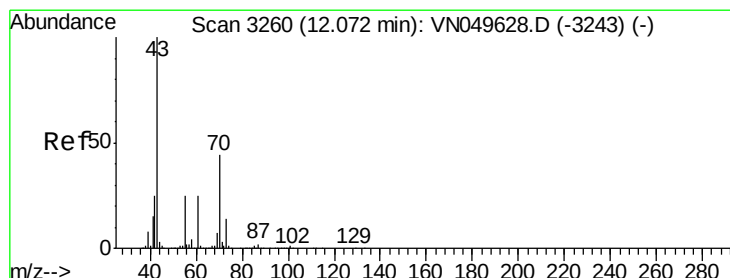
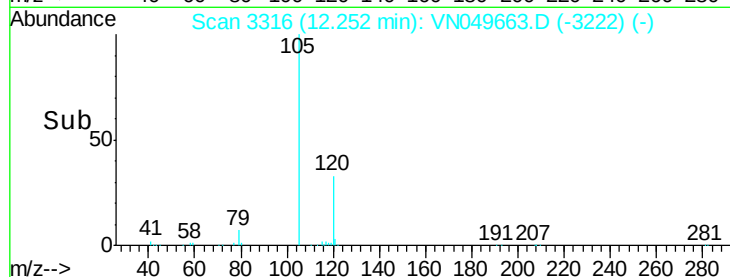
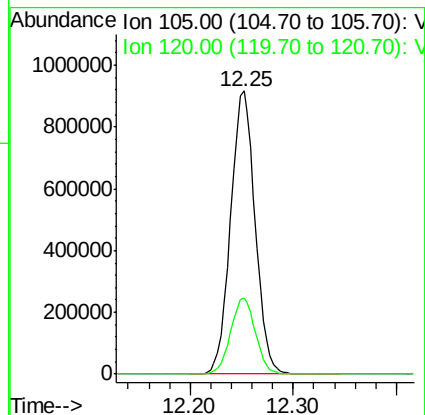
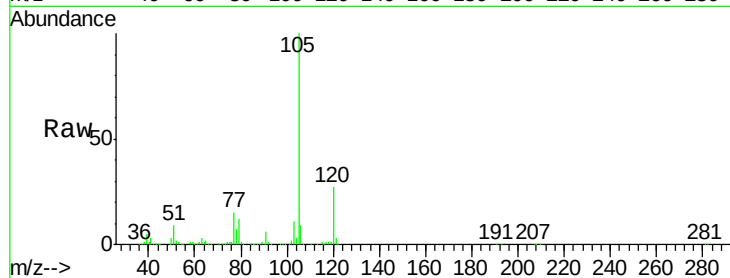
105 100

120 27.2 13.3 39.8

Manual Integrations
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sam

7/3/2018 3:51:26 PM



#74

N-ethyl acetate

Concen: 19.69 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Tgt Ion: 43 Resp: 404195

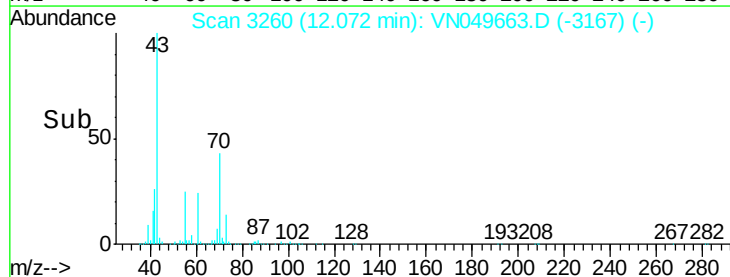
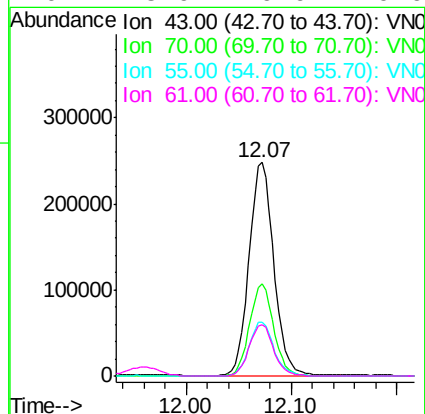
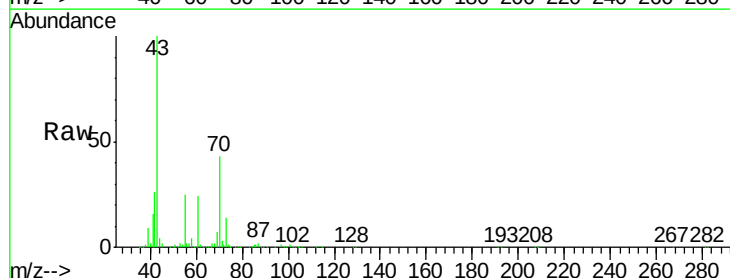
Ion Ratio Lower Upper

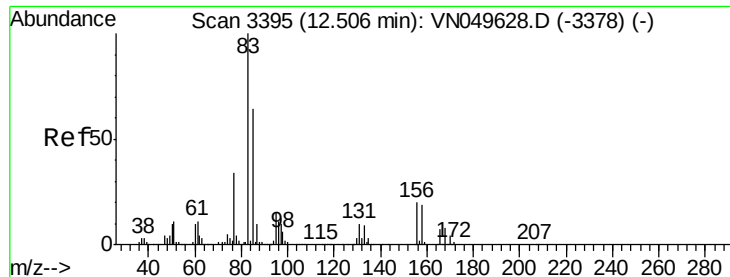
43 100

70 42.1 34.8 52.2

55 25.6 20.9 31.3

61 23.9 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.31 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

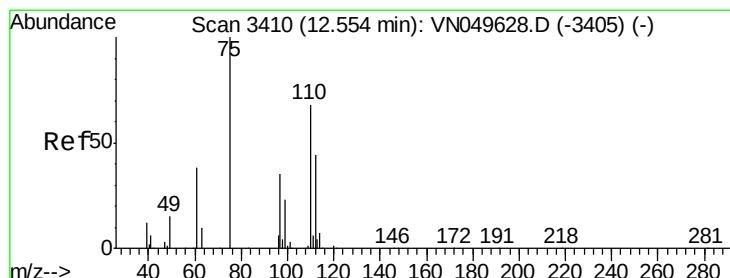
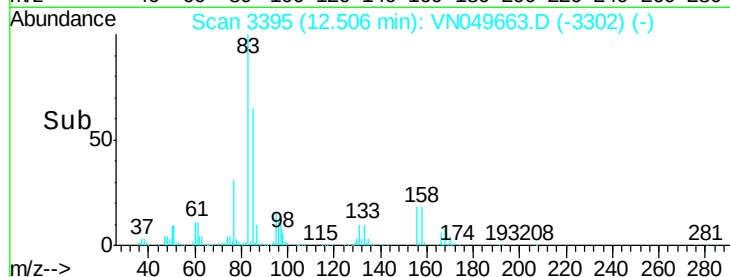
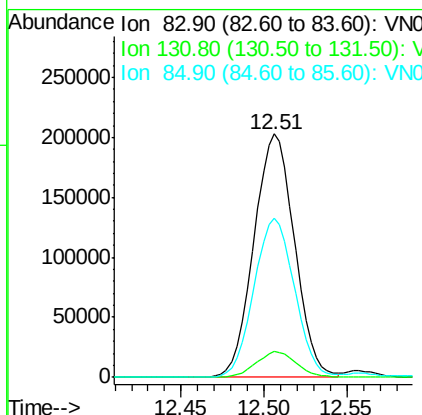
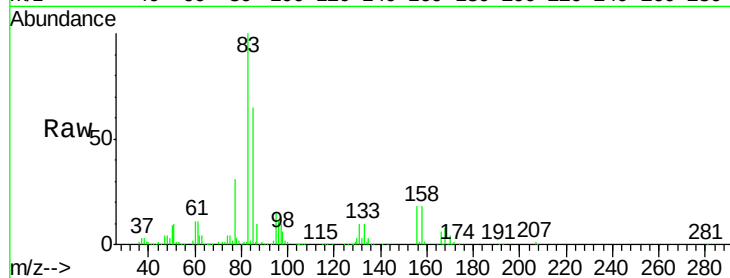
ClientSampled :

VN0702WBS01

Tot Ion:	83	Resp:	345181
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	65.4	32.5	97.4

Manual Integrations
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sam
7/3/2018 3:51:26 PM



#76

1,2,3-Trichloropropane

Concen: 22.51 ug/l m

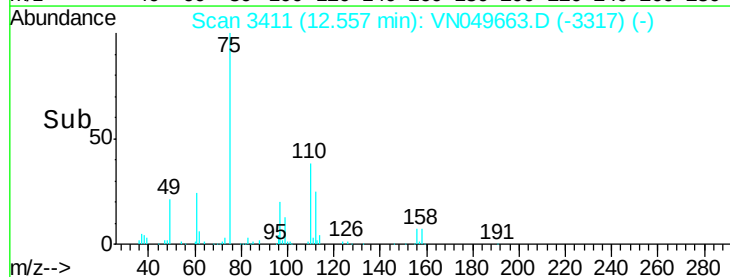
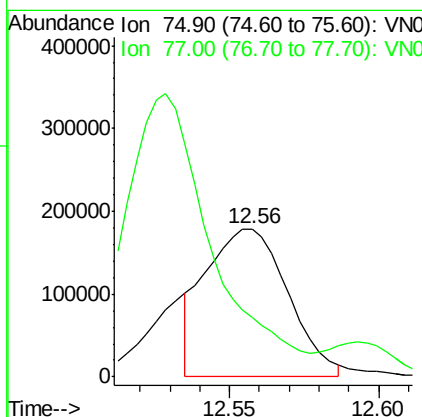
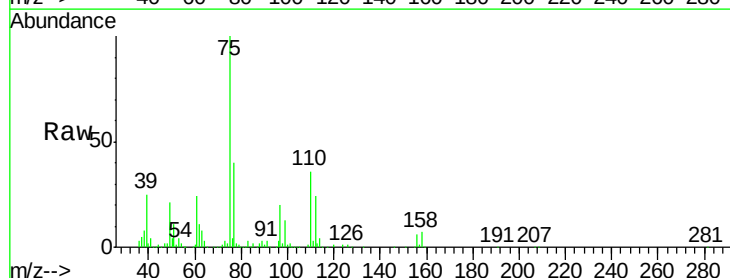
RT: 12.56 min Scan# 3411

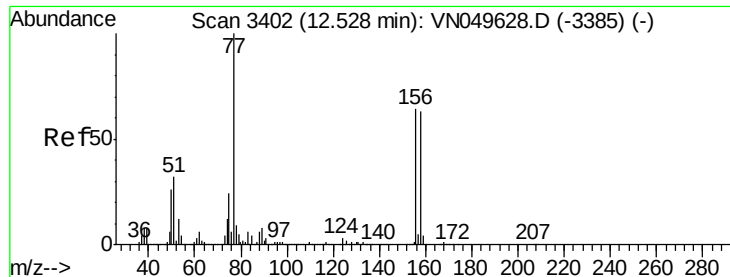
Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Tgt Ion:	75	Resp:	340606
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.93 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

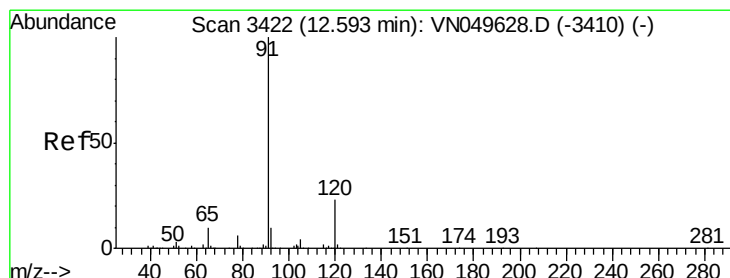
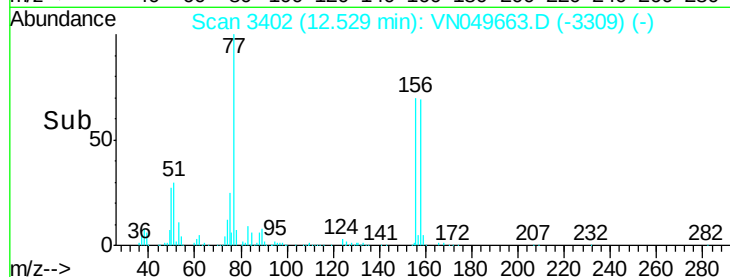
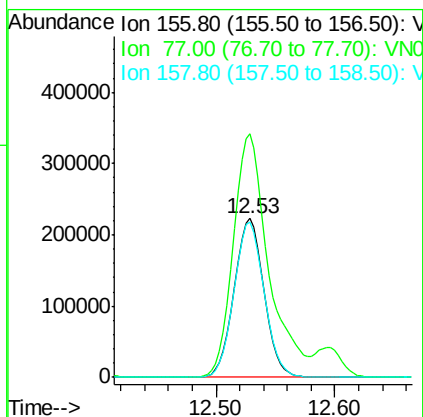
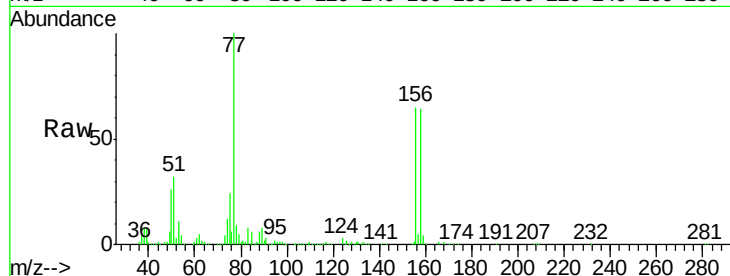
ClientSampleId :

VN0702WBS01

Tot Ion:	156	Resp:	386968
Ion Ratio	Lower	Upper	
156	100		
77	180.5	90.2	270.6
158	98.9	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 20.61 ug/l

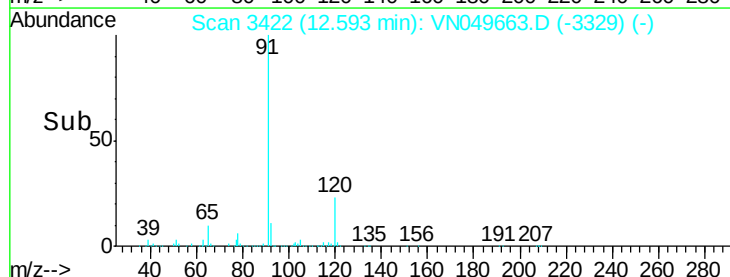
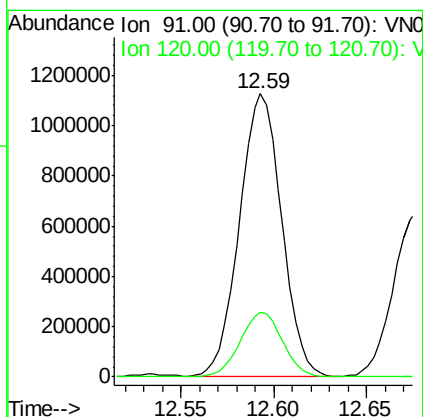
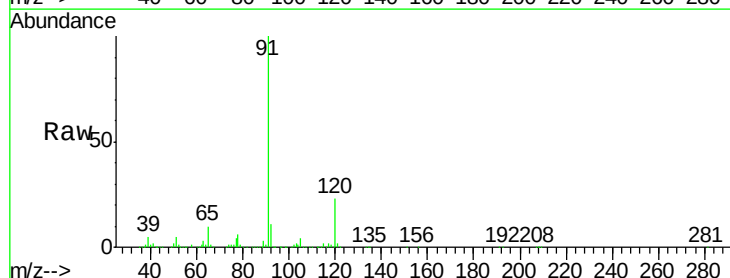
RT: 12.59 min Scan# 3422

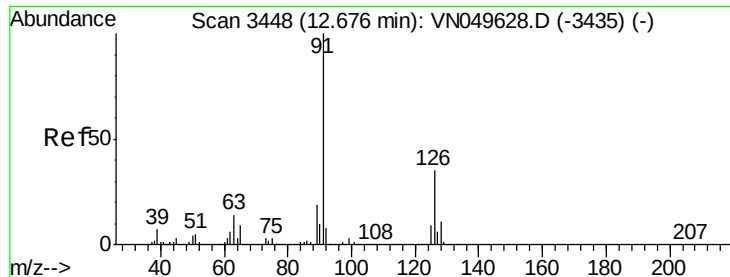
Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Tgt Ion:	91	Resp:	1775520
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.4





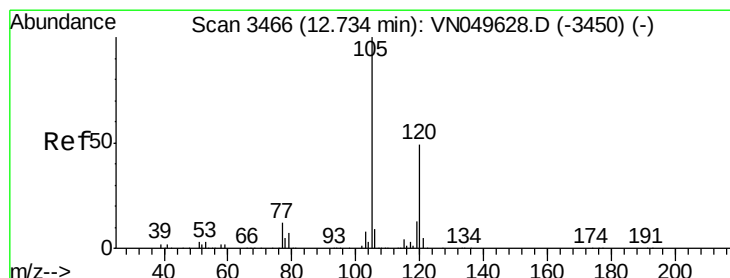
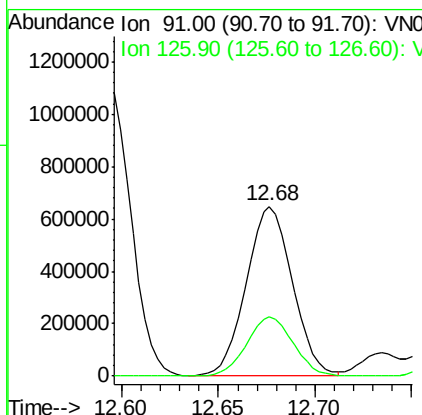
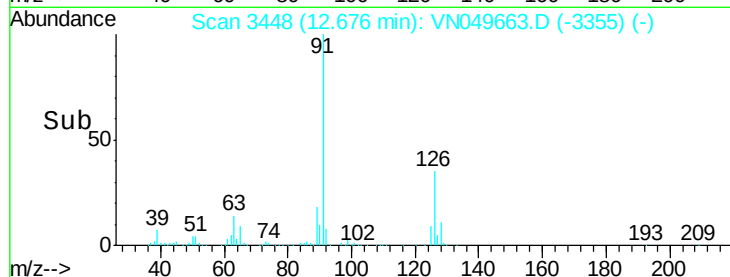
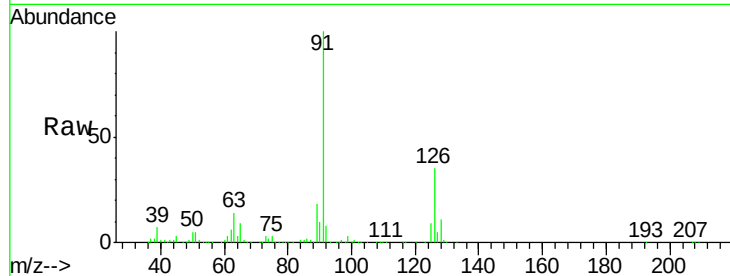
#79
 2-Chlorotoluene
 Concen: 19.62 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampled :
 VN0702WBS01

Tot Ion: 91 Resp: 1069570
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.5 52.5

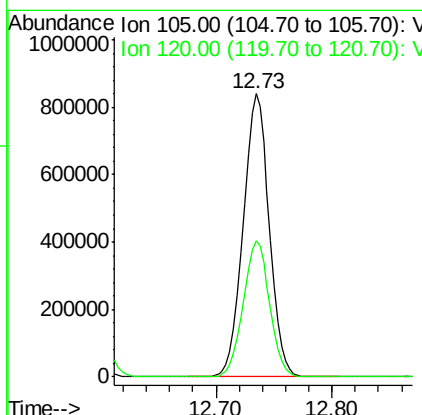
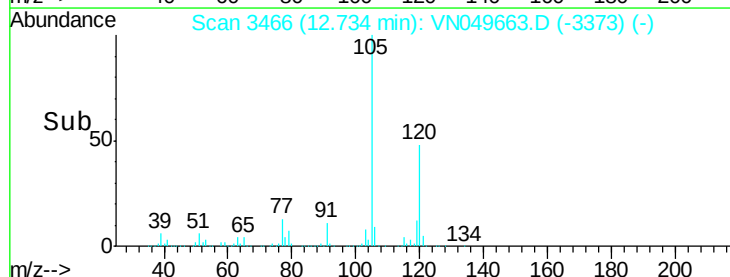
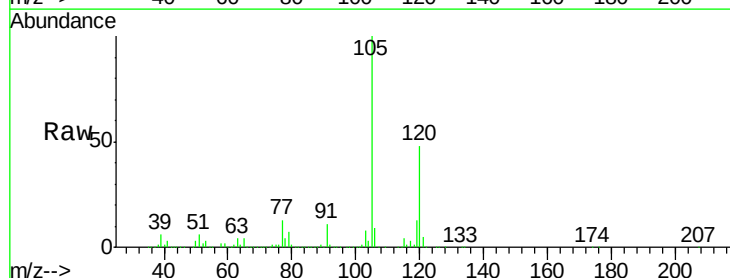
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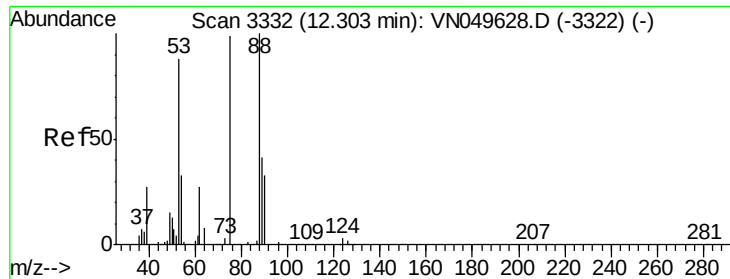
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.85 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Tgt Ion: 105 Resp: 1301979
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.75 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

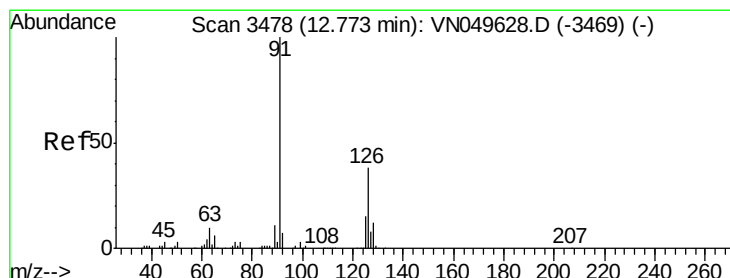
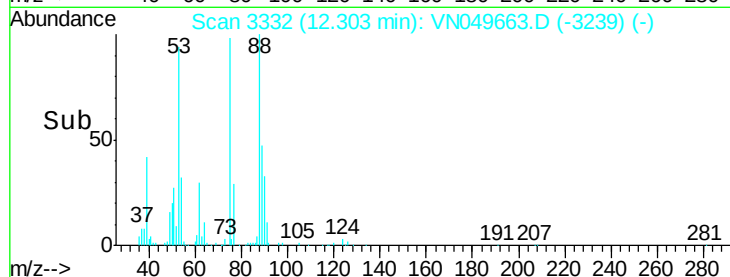
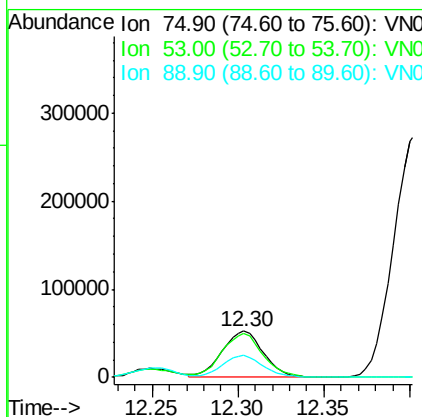
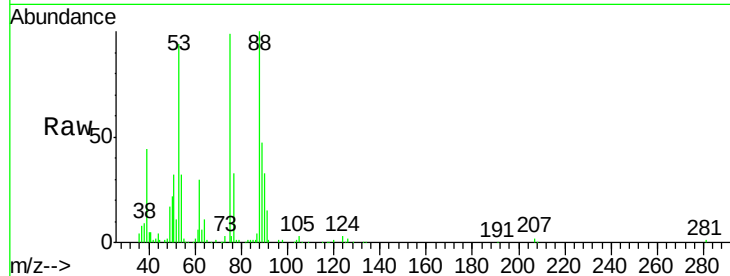
VN0702WBS01

Tot Ion:	75	Resp:	87997
Ion	Ratio	Lower	Upper
75	100		
53	93.9	73.9	110.9
89	45.1	35.9	53.9

Manual Integrations
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sam

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#82

4-Chlorotoluene

Concen: 19.61 ug/l

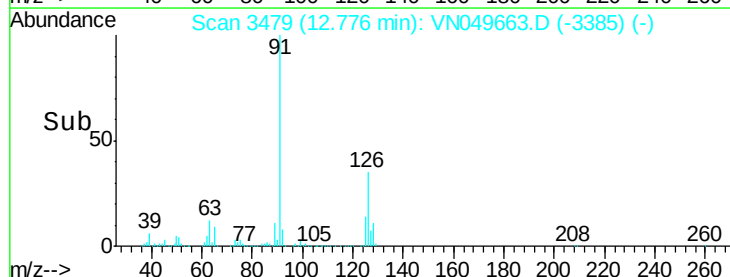
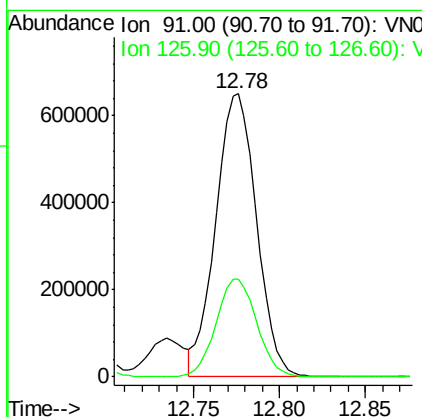
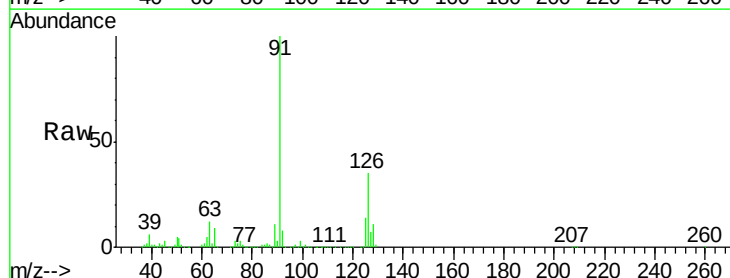
RT: 12.78 min Scan# 3479

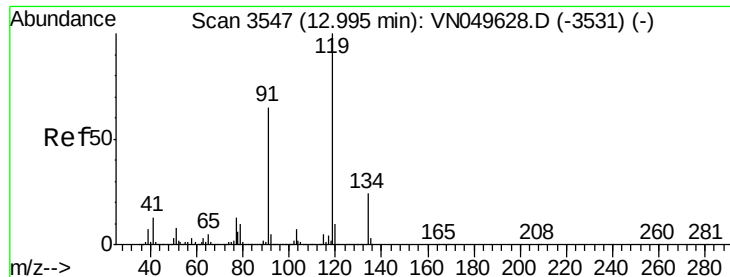
Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Tgt Ion:	91	Resp:	1075077
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.2	51.6





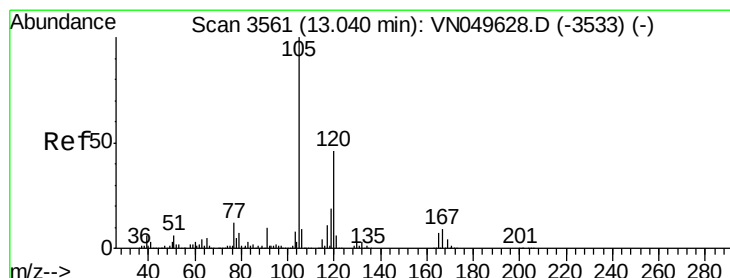
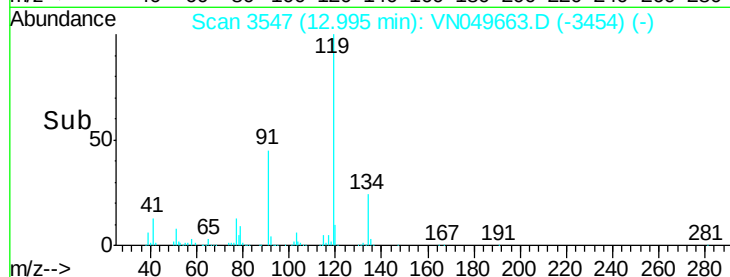
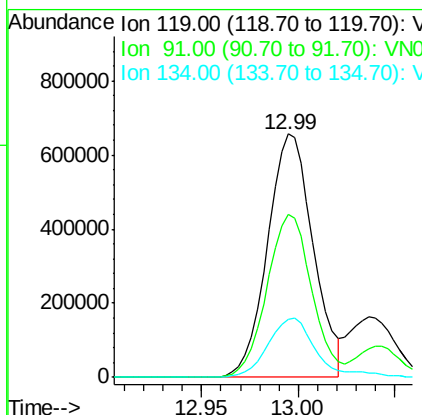
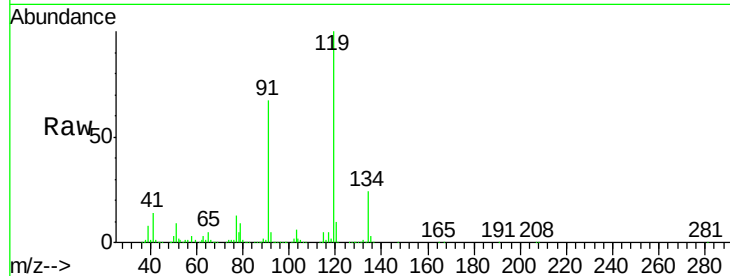
#83
 tert-Butylbenzene
 Concen: 20.14 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

Tot Ion:119 Resp: 1080612
 Ion Ratio Lower Upper
 119 100
 91 65.9 32.0 96.2
 134 25.8 12.8 38.4

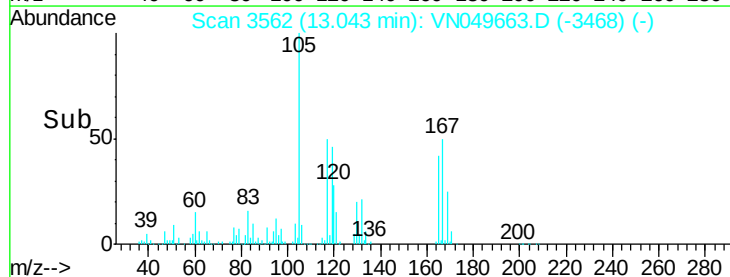
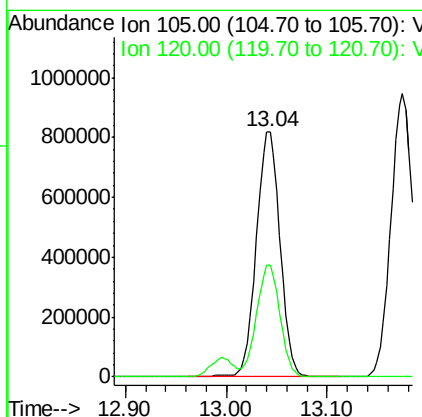
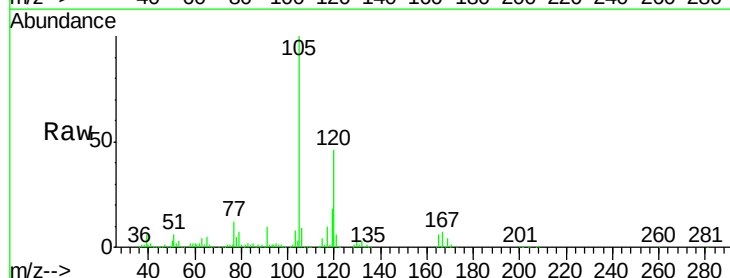
Manual Integrations
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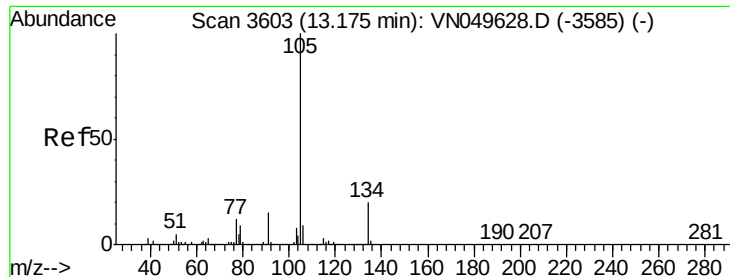
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.71 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Tgt Ion:105 Resp: 1329381
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.7 68.1





#85

sec-Butylbenzene

Concen: 20.75 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

Tot Ion:105 Resp: 1474884

Ion Ratio Lower Upper

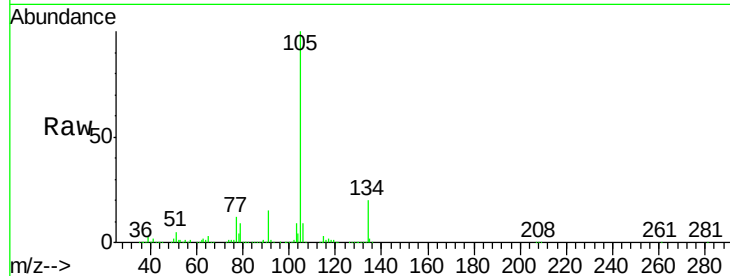
105 100

134 20.5 10.1 30.1

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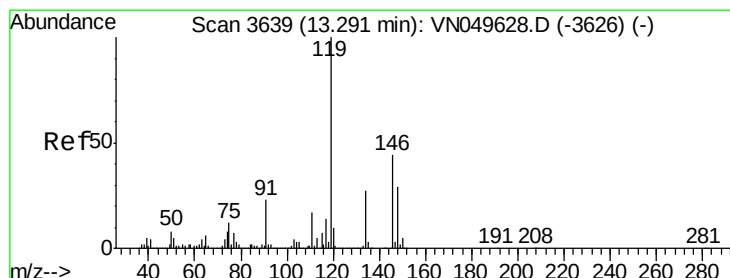
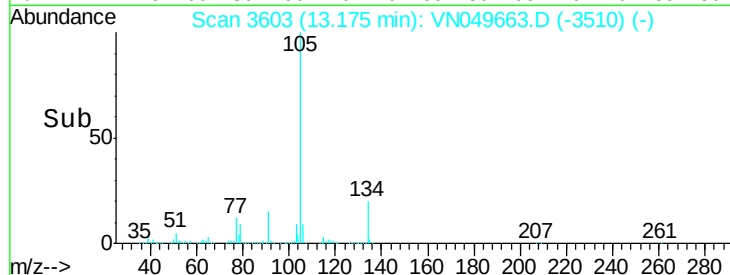
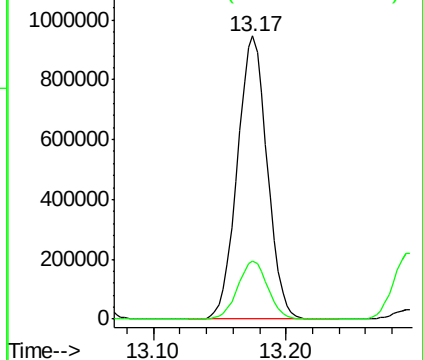
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.92 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

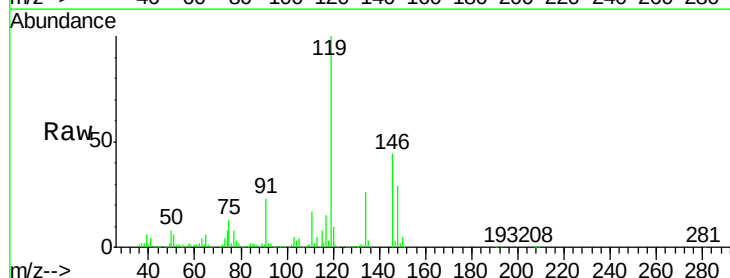
Tgt Ion:119 Resp: 1288023

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

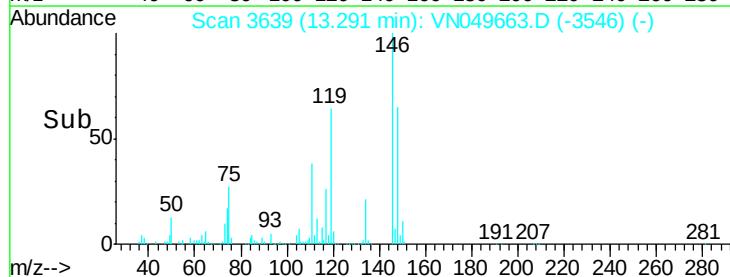
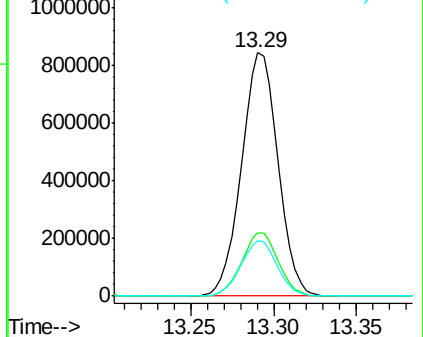
91 22.7 11.4 34.1

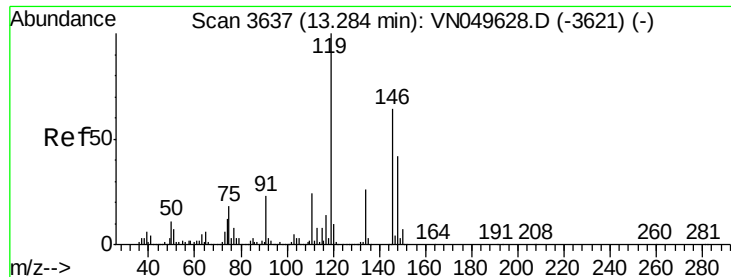


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.88 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Instrument :

MSVOA_N

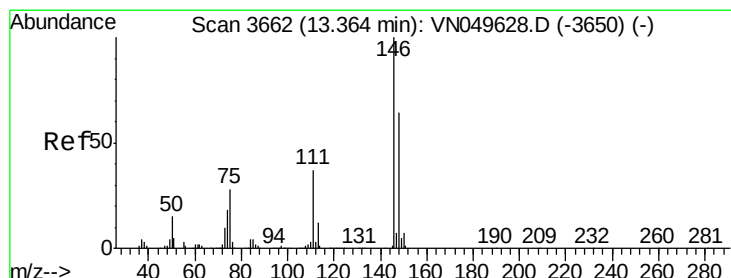
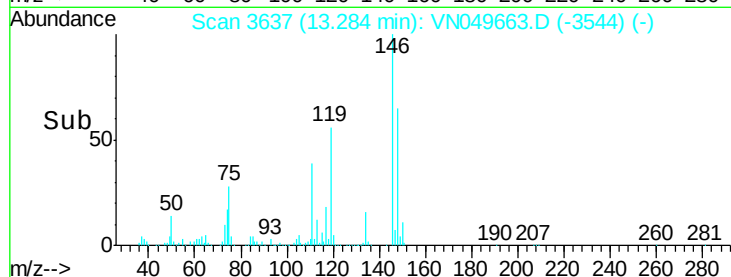
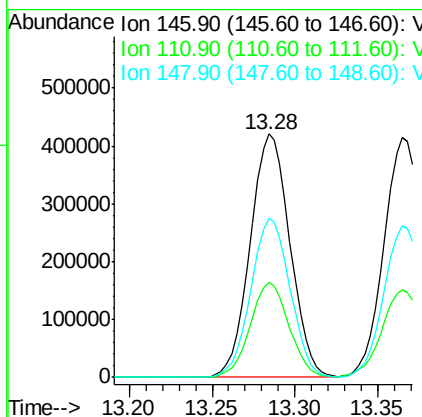
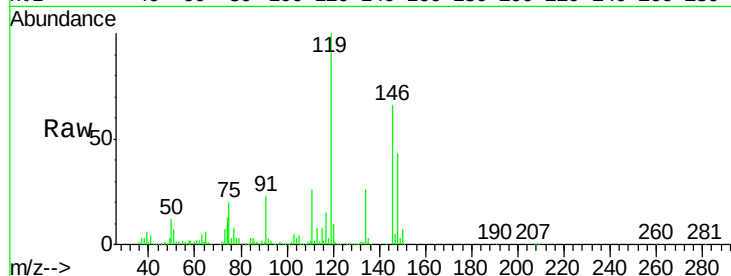
ClientSampled :

VN0702WBS01

Tot Ion:	146	Resp:	699704
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.0	57.0
148	64.6	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.89 ug/l

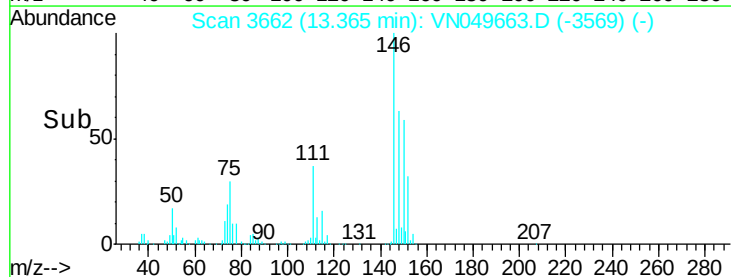
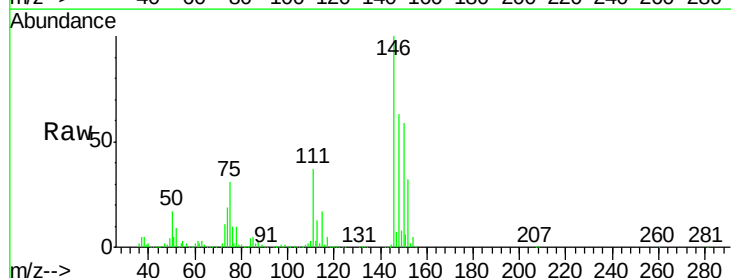
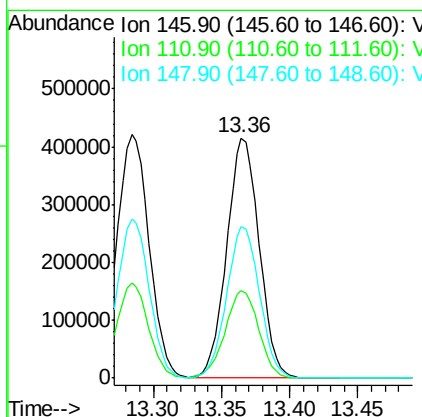
RT: 13.36 min Scan# 3662

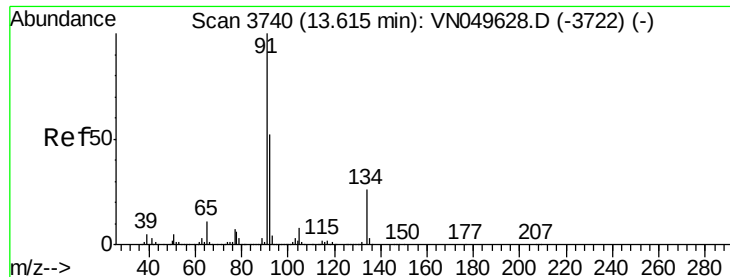
Delta R.T. 0.00 min

Lab File: VN049663.D

Acq: 2 Jul 2018 12:32

Tgt Ion:	146	Resp:	685249
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.9	56.5
148	63.8	32.1	96.3





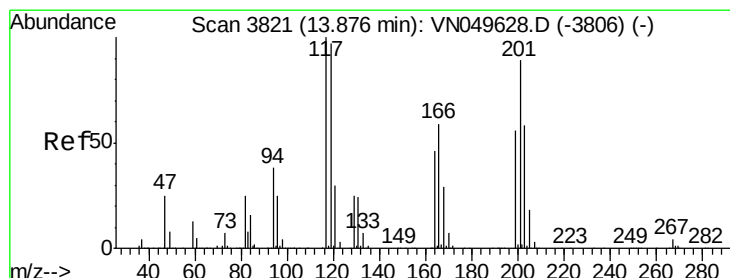
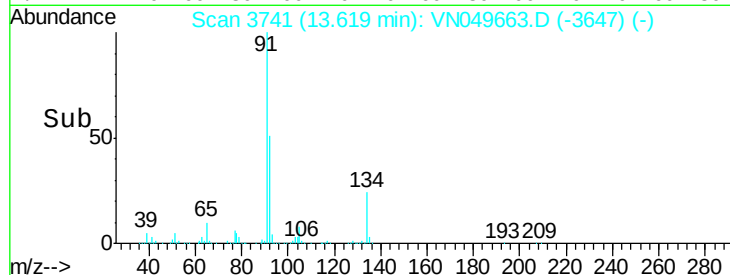
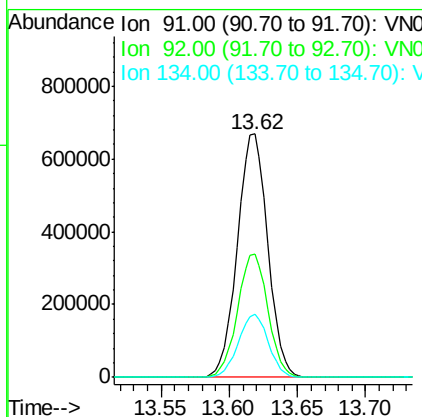
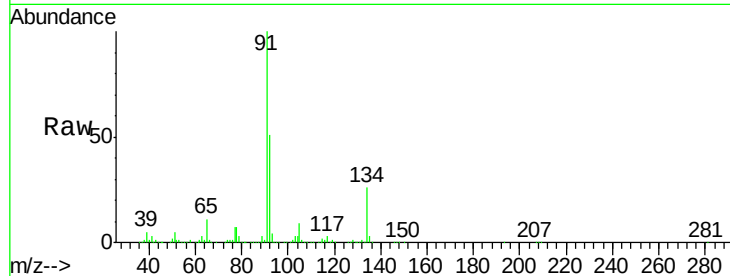
#89
n-Butylbenzene
Concen: 19.63 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	25.8	77.3
134	25.6	13.0	38.9

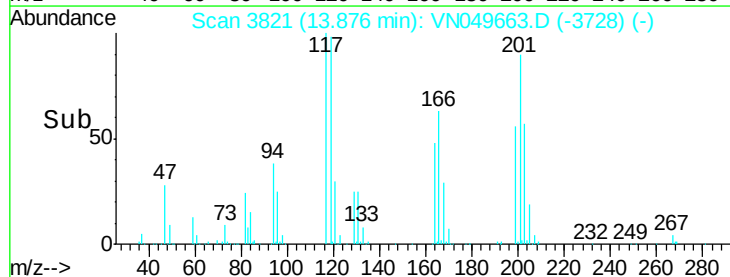
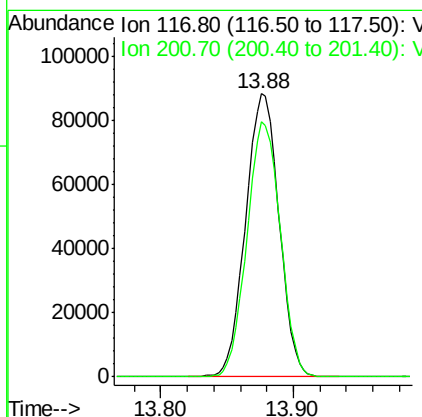
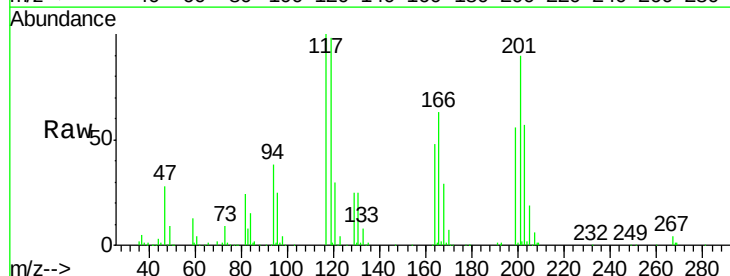
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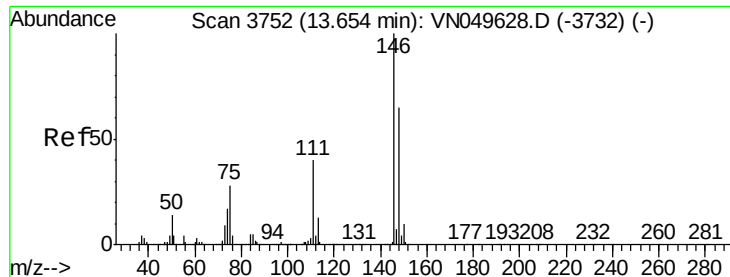
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#90
Hexachloroethane
Concen: 23.93 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.9	45.3	135.8





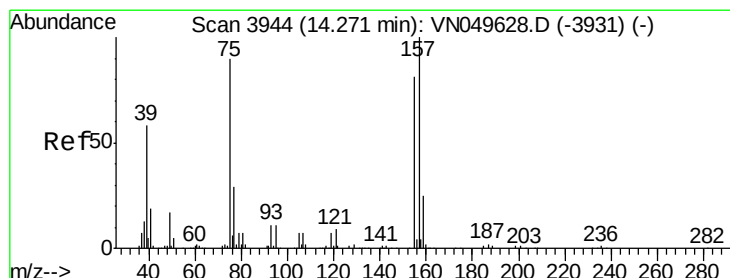
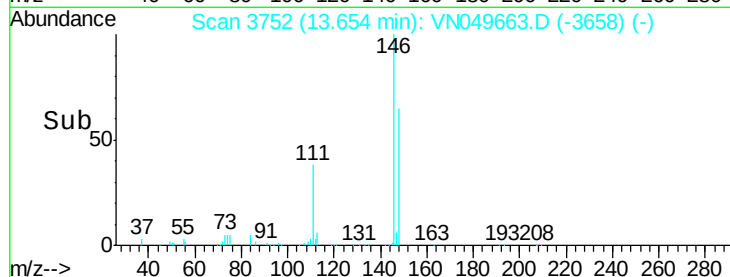
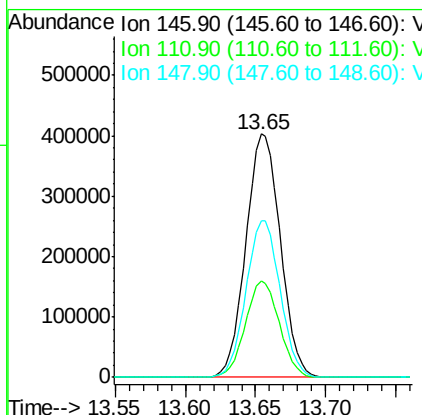
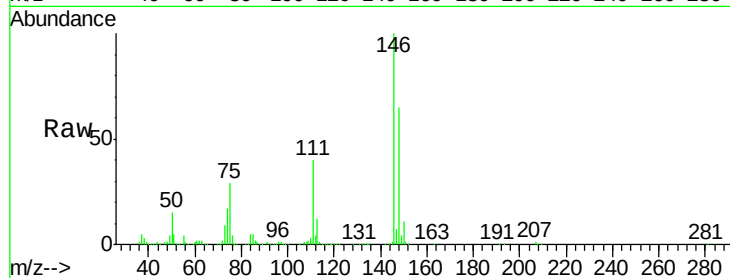
#91
 1,2-Dichlorobenzene
 Concen: 20.12 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampled :
 VN0702WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	63.6	32.0	96.2

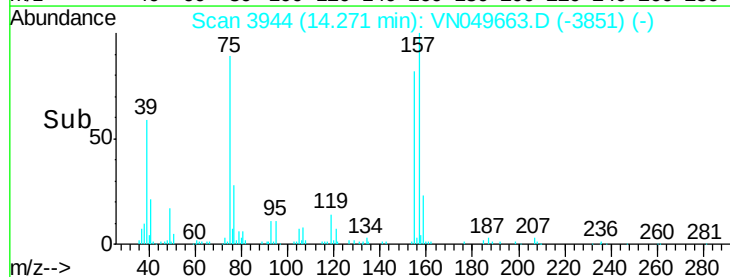
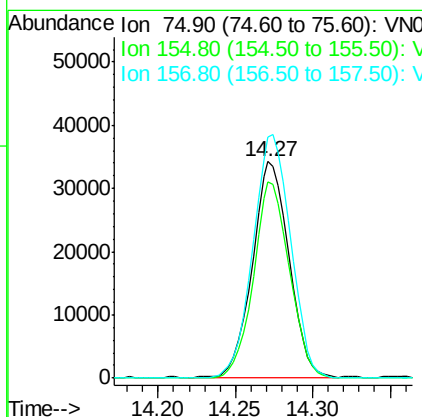
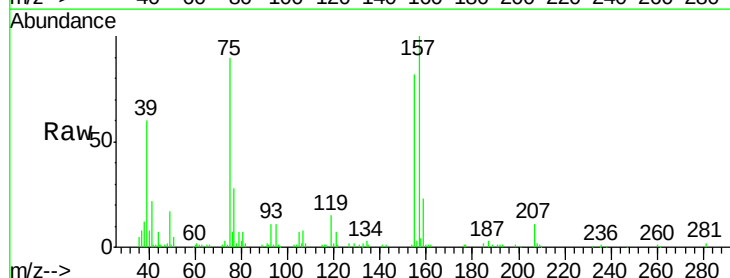
Manual Integrations
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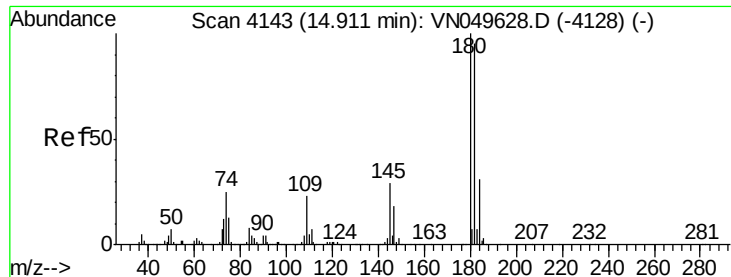
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.10 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.4	45.7	137.1
157	114.9	56.9	170.7





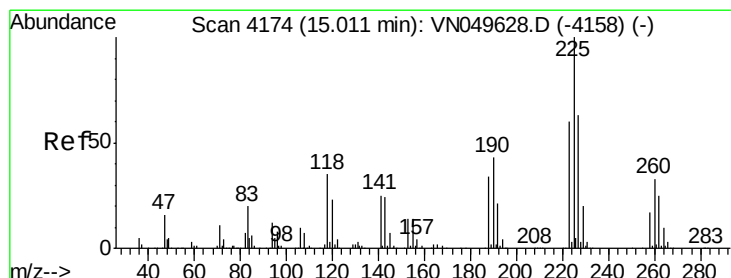
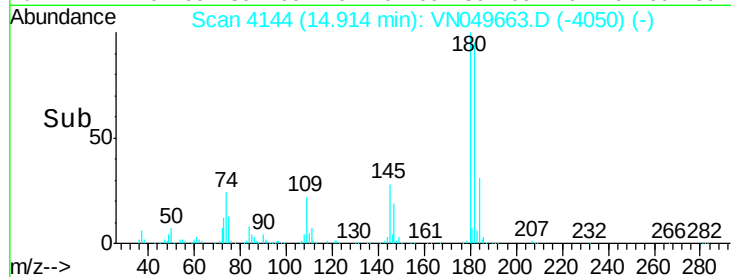
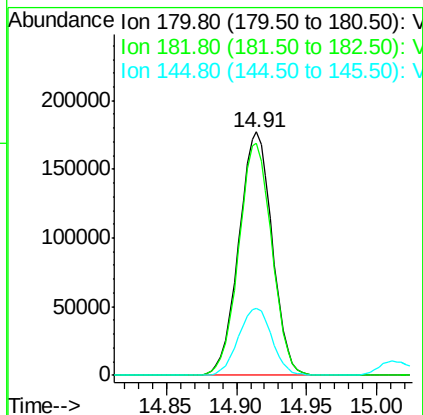
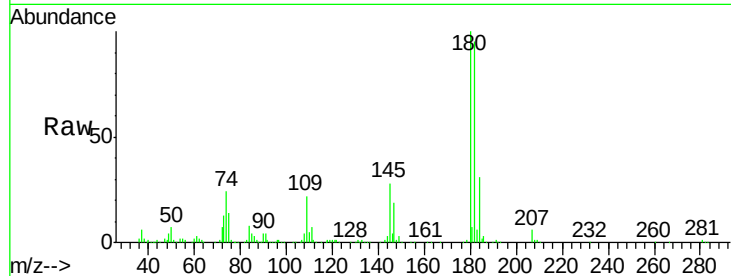
#93
 1,2,4-Trichlorobenzene
 Concen: 18.46 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	293262		
182	94.8	47.3	141.9	
145	27.8	14.4	43.0	

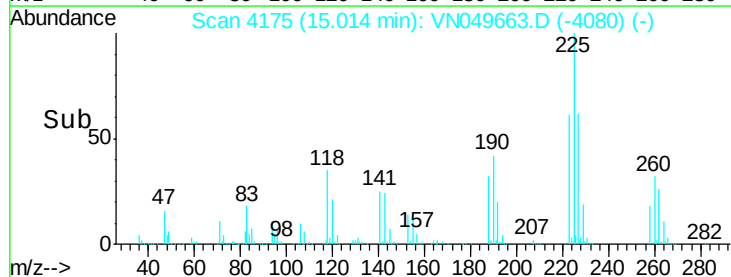
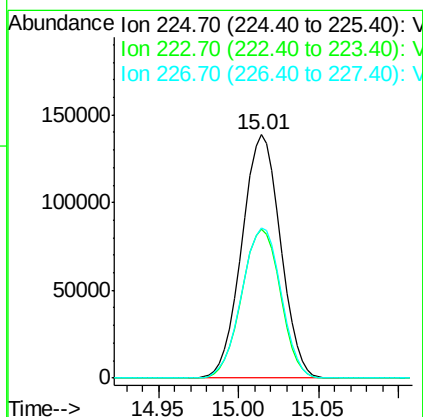
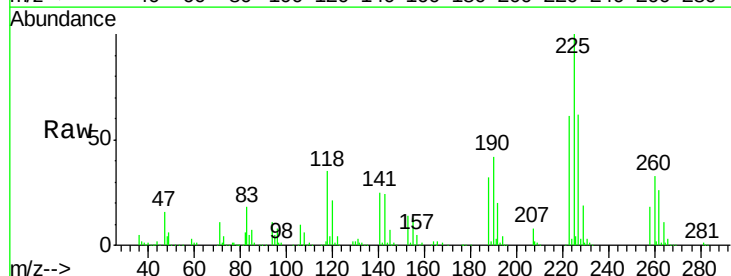
Manual Integrations
 APPROVED

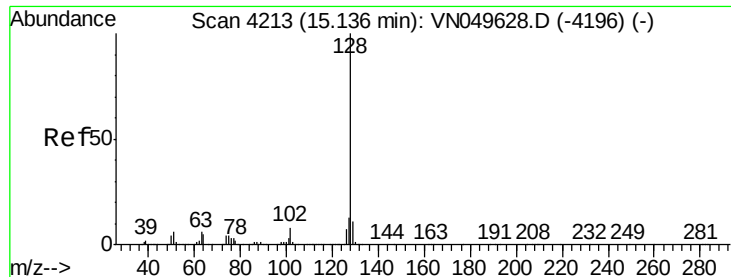
sam
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#94
 Hexachlorobutadiene
 Concen: 21.54 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049663.D
 Acq: 2 Jul 2018 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	228638		
223	61.6	30.9	92.7	
227	63.0	31.8	95.4	





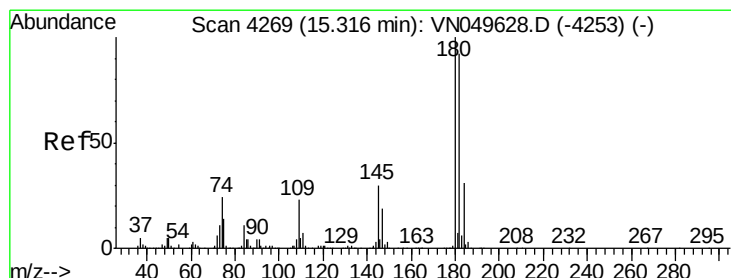
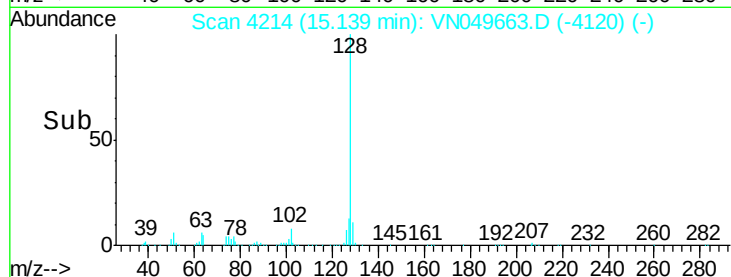
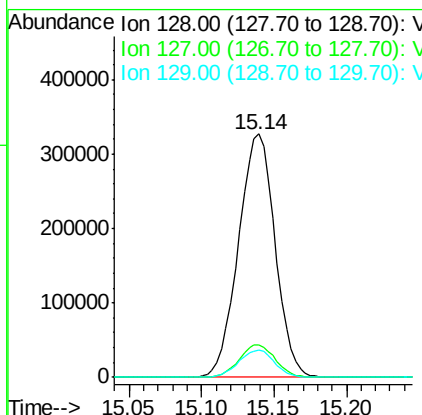
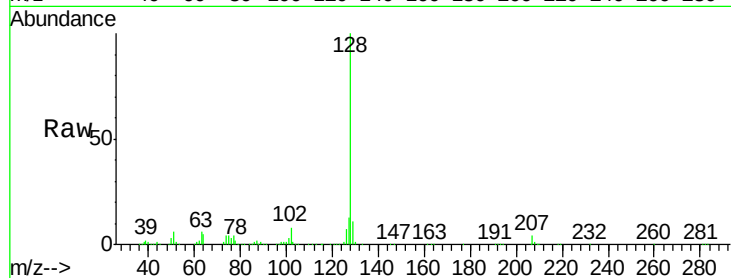
#95
Naphthalene
Concen: 17.76 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

sam
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#96
1,2,3-Trichlorobenzene
Concen: 19.16 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049663.D
Acq: 2 Jul 2018 12:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.4	142.2
145	29.5	15.2	45.6

