

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049312.D
 Acq On : 16 Jun 2018 16:22
 Operator : MD\SY
 Sample : VN0616WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBSD03

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:23 PM

Quant Time: Jun 18 03:41:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1443221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2116570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1923205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	910980	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	937623	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
35) Dibromofluoromethane	7.59	113	831566	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	10.09	98	3133100	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.40	95	1015867	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	300910	18.11	ug/l	99
3) Chloromethane	2.06	50	364306	16.98	ug/l	96
4) Vinyl Chloride	2.18	62	406833	17.85	ug/l	98
5) Bromomethane	2.57	94	184885	15.43	ug/l	99
6) Chloroethane	2.71	64	260756	19.18	ug/l	98
7) Trichlorofluoromethane	3.02	101	540091	18.99	ug/l	99
8) Diethyl Ether	3.41	74	193043	19.44	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	340233	18.86	ug/l	92
10) Methyl Iodide	3.95	142	326735	17.40	ug/l	92
11) Tert butyl alcohol	4.80	59	103665	92.27	ug/l	99
12) 1,1-Dichloroethene	3.73	96	305690	18.47	ug/l	92
13) Acrolein	3.61	56	95678	81.21	ug/l	98
14) Allyl chloride	4.32	41	494099	18.91	ug/l	91
15) Acrylonitrile	4.99	53	551299	98.13	ug/l	99
16) Acetone	3.82	43	474135	102.01	ug/l	92
17) Carbon Disulfide	4.05	76	885963	17.08	ug/l	99
18) Methyl Acetate	4.33	43	294828	20.80	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	834470	19.78	ug/l	98
20) Methylene Chloride	4.55	84	364756	18.79	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	325657	18.59	ug/l	92
22) Diisopropyl ether	5.96	45	1048338	20.09	ug/l	98
23) Vinyl Acetate	5.90	43	3329459	97.88	ug/l	96
24) 1,1-Dichloroethane	5.85	63	635086	19.02	ug/l	99
25) 2-Butanone	6.84	43	616809	98.84	ug/l	96
26) 2,2-Dichloropropane	6.83	77	524215	19.44	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	380157	19.52	ug/l	91
28) Bromochloromethane	7.20	49	303005	20.47	ug/l	86
29) Tetrahydrofuran	7.22	42	392011	97.58	ug/l	94
30) Chloroform	7.37	83	641168	19.29	ug/l	100
31) Cyclohexane	7.65	56	546838	19.21	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	546318	19.27	ug/l	97
36) 1,1-Dichloropropene	7.79	75	477364	19.68	ug/l	97
37) Ethyl Acetate	6.93	43	274803	20.84	ug/l #	96
38) Carbon Tetrachloride	7.77	117	480772	19.14	ug/l	99

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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	499356	19.18	ug/l	99
40) Benzene	8.04	78	1437908	19.33	ug/l	99
41) Methacrylonitrile	7.18	41	146628	20.57	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	462659	20.14	ug/l	97
43) Isopropyl Acetate	8.17	43	523917	20.79	ug/l	98
44) Trichloroethene	8.84	130	383660	19.54	ug/l	96
45) 1,2-Dichloropropane	9.12	63	386409	19.84	ug/l	100
46) Dibromomethane	9.21	93	222664	19.72	ug/l	91
47) Bromodichloromethane	9.40	83	497008	20.03	ug/l	96
48) Methyl methacrylate	9.20	41	245000	20.65	ug/l	89
49) 1,4-Dioxane	9.20	88	62190	379.75	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1345995	101.92	ug/l	96
52) Toluene	10.16	92	884660	20.27	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	458872	19.33	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	544935	19.44	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	319608	19.64	ug/l	98
56) Ethyl methacrylate	10.43	69	367647	19.58	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	537113	19.93	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	543406	90.66	ug/l	95
59) 2-Hexanone	10.75	43	851576	100.02	ug/l	95
60) Dibromochloromethane	10.90	129	358674	19.75	ug/l	98
61) 1,2-Dibromoethane	11.01	107	297621	19.68	ug/l	100
64) Tetrachloroethene	10.63	164	407613	20.68	ug/l	98
65) Chlorobenzene	11.44	112	948207	19.14	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	357241	19.16	ug/l	99
67) Ethyl Benzene	11.51	91	1614503	19.65	ug/l	98
68) m/p-Xylenes	11.62	106	1239704	40.20	ug/l	97
69) o-Xylene	11.95	106	593233	19.97	ug/l	97
70) Styrene	11.97	104	946960	20.21	ug/l	98
71) Bromoform	12.13	173	233568	19.35	ug/l #	98
73) Isopropylbenzene	12.25	105	1591629	19.90	ug/l	98
74) N-amyl acetate	12.07	43	359557	18.35	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	367982	21.07	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	328709m	21.15	ug/l	
77) Bromobenzene	12.53	156	400199	18.94	ug/l	91
78) n-propylbenzene	12.59	91	1778637	20.25	ug/l	99
79) 2-Chlorotoluene	12.68	91	1099800	19.76	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1296496	20.62	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	90197	18.34	ug/l	93
82) 4-Chlorotoluene	12.77	91	1073379	19.99	ug/l	98
83) tert-Butylbenzene	12.99	119	1103043	19.80	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1299003	20.80	ug/l	99
85) sec-Butylbenzene	13.17	105	1469275	19.82	ug/l	98
86) p-Isopropyltoluene	13.29	119	1246201	20.12	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	661044	19.02	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	637178	18.50	ug/l	99
89) n-Butylbenzene	13.62	91	907657	18.76	ug/l	98
90) Hexachloroethane	13.88	117	250693	20.38	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	652457	19.14	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	51975	18.66	ug/l	92

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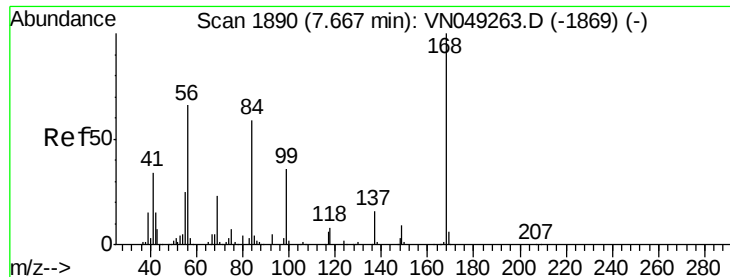
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	210117	16.92	ug/l	98
94) Hexachlorobutadiene	15.01	225	209668	19.36	ug/l	98
95) Naphthalene	15.14	128	404755	17.41	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	237234	17.92	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBSD03

Tot Ion:168 Resp: 1443221

Ion Ratio Lower Upper

168 100

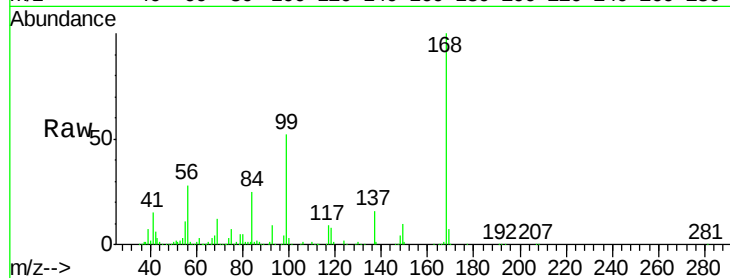
99 51.6 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.67

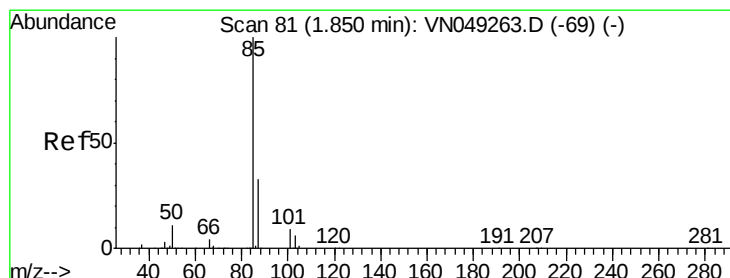
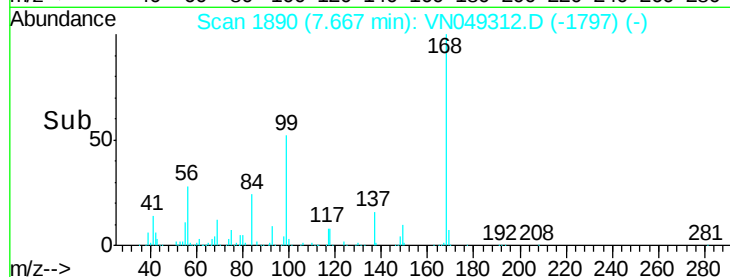
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400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.11 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN049312.D

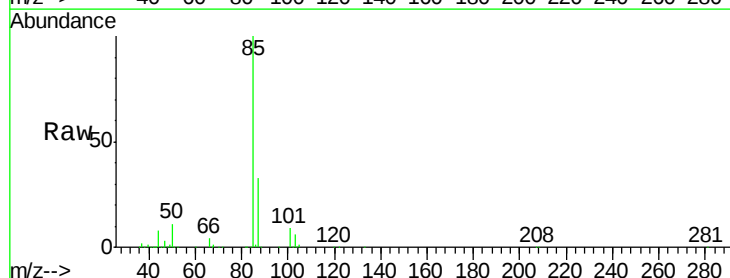
Acq: 16 Jun 2018 16:22

Tgt Ion: 85 Resp: 300910

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.85

250000

200000

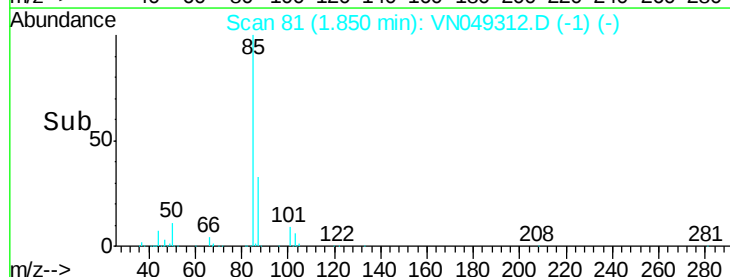
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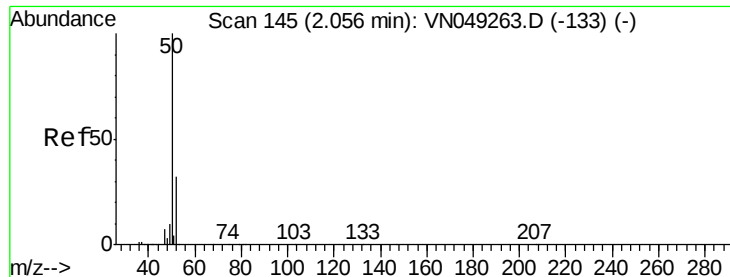
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50000

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Time-->





#3

Chloromethane

Concen: 16.98 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBSD03

Tot Ion: 50 Resp: 364306

Ion Ratio Lower Upper

50 100

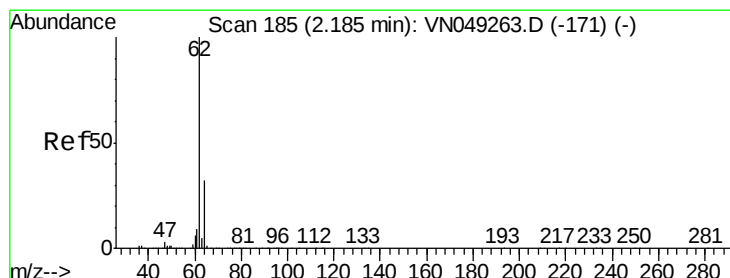
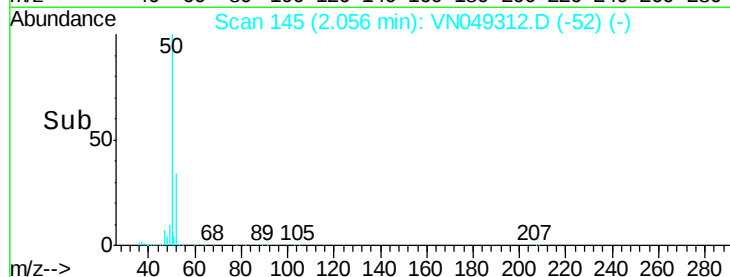
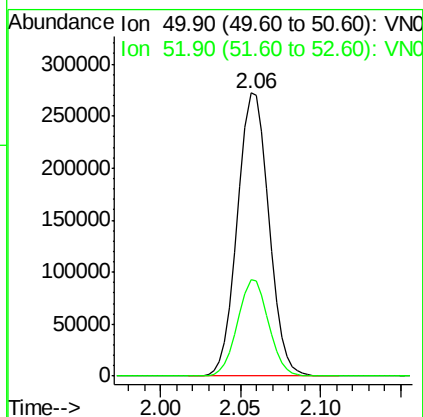
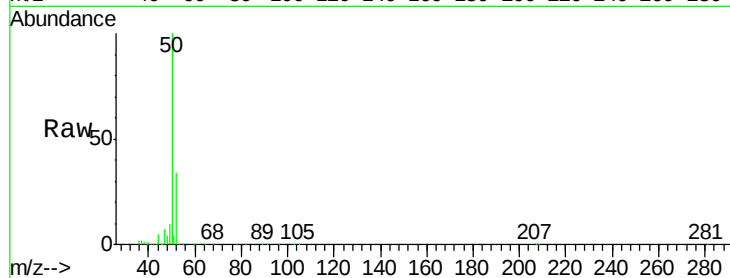
52 33.9 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.85 ug/l

RT: 2.18 min Scan# 185

Delta R.T. -0.00 min

Lab File: VN049312.D

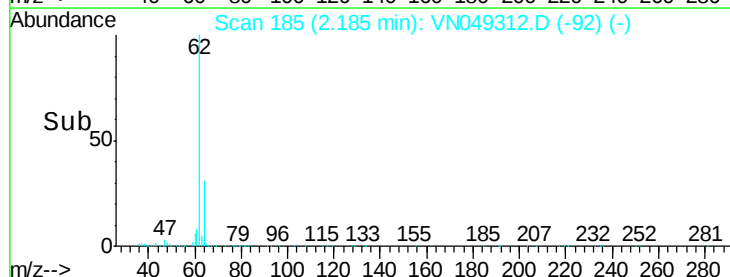
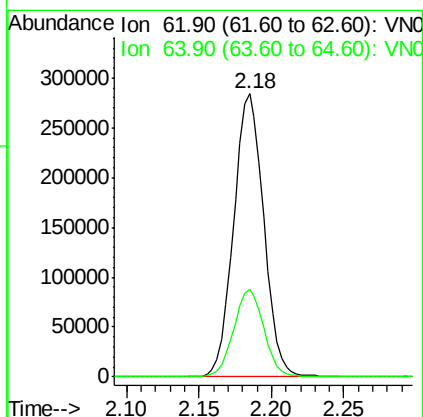
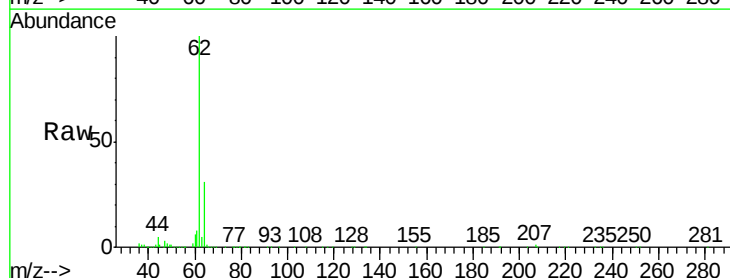
Acq: 16 Jun 2018 16:22

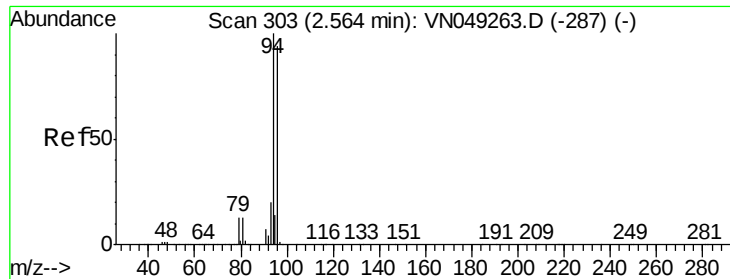
Tgt Ion: 62 Resp: 406833

Ion Ratio Lower Upper

62 100

64 30.8 25.7 38.5





#5

Bromomethane

Concen: 15.43 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBSD03

Tot Ion: 94 Resp: 184885

Ion Ratio Lower Upper

94 100

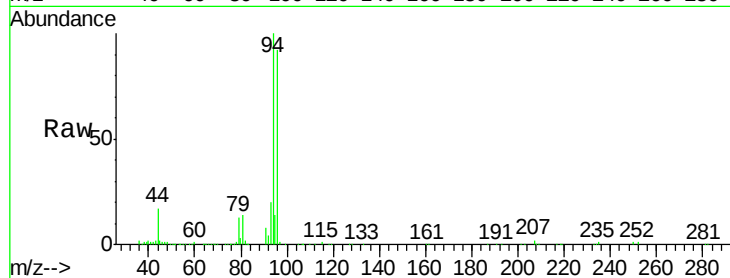
96 91.6 72.8 109.2

Manual Integrations

APPROVED

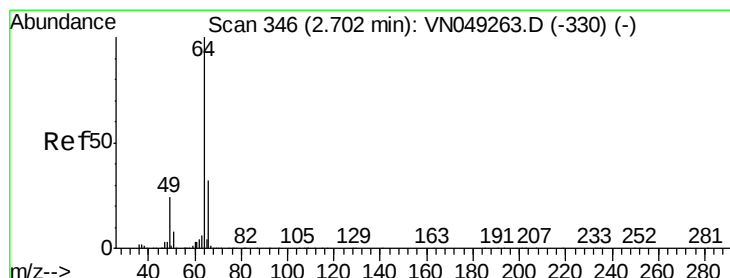
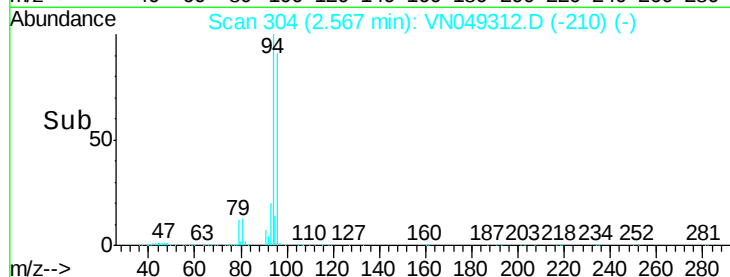
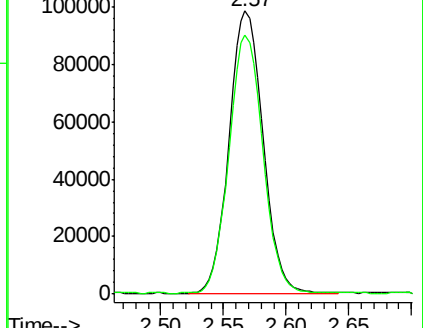
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.18 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049312.D

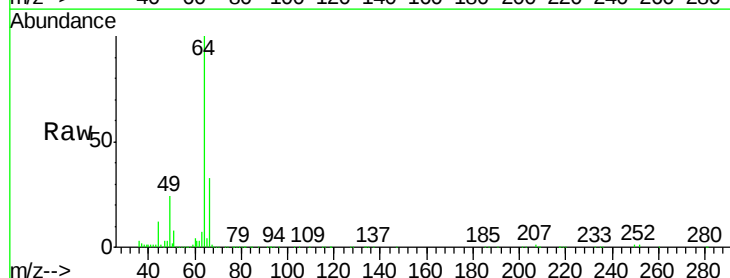
Acq: 16 Jun 2018 16:22

Tgt Ion: 64 Resp: 260756

Ion Ratio Lower Upper

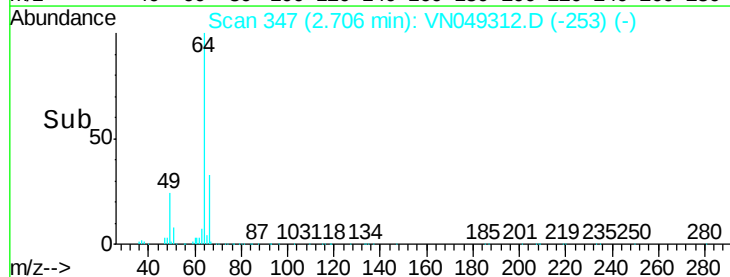
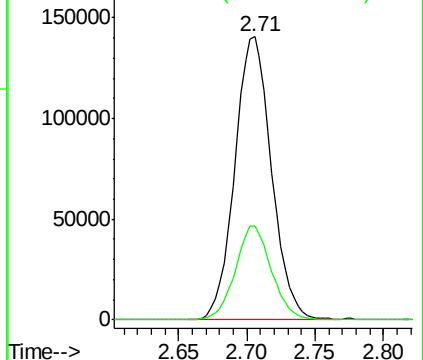
64 100

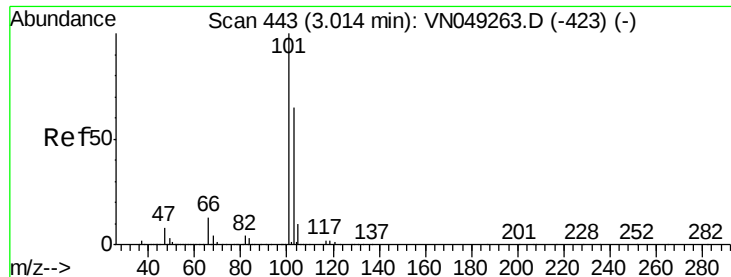
66 33.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

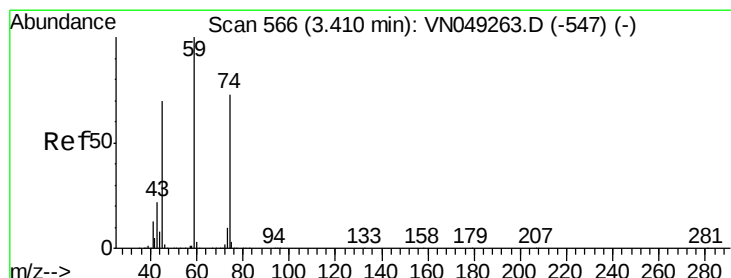
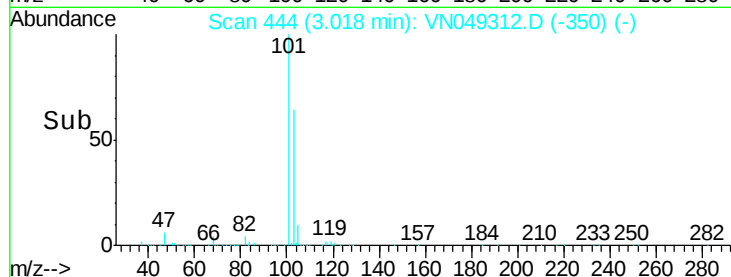
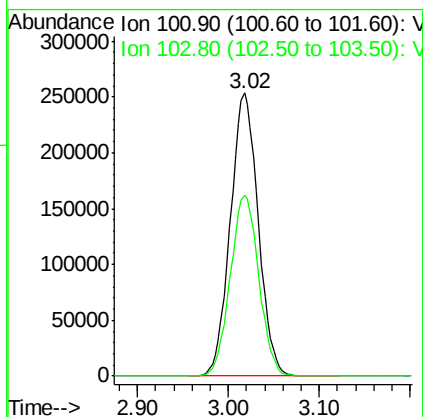
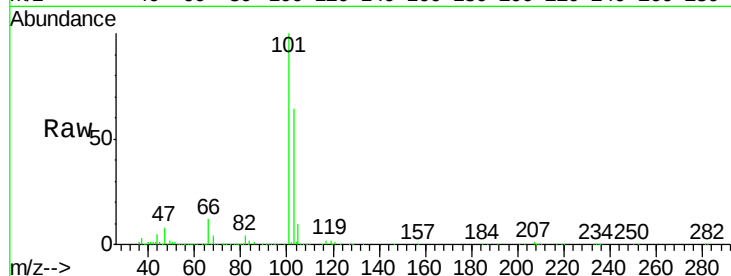
Trichlorofluoromethane
Concen: 18.99 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.7	77.5

Manual Integrations
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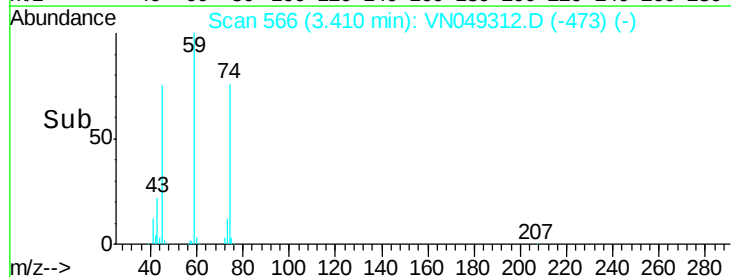
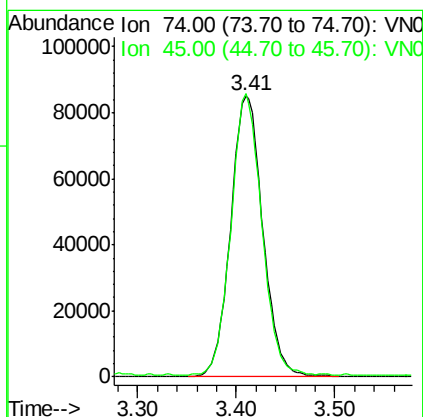
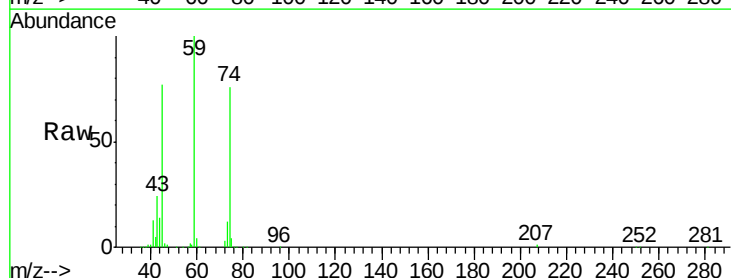
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6/18/2018 3:16:23 PM

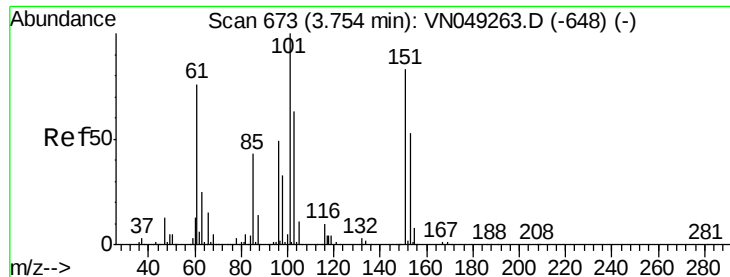


#8

Diethyl Ether
Concen: 19.44 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.7	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.86 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

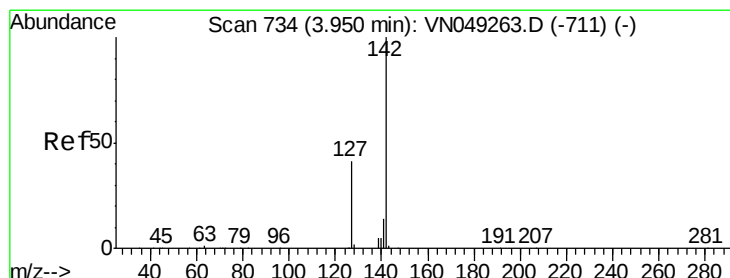
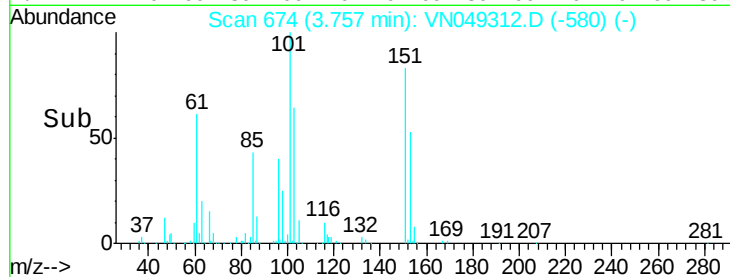
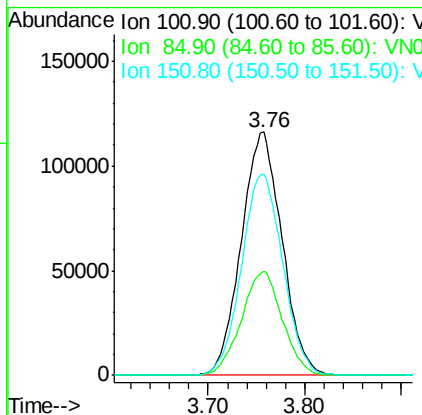
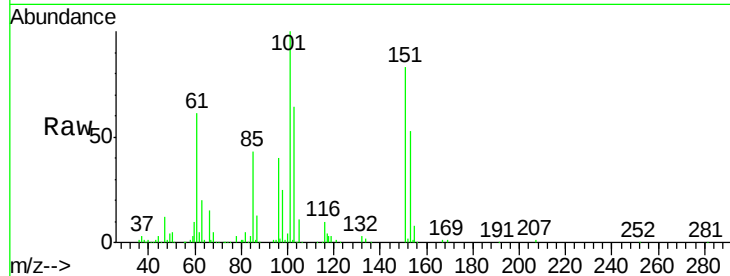
ClientSampleId :

VN0616WBSD03

Tot Ion:	101	Resp:	340233
Ion Ratio	Lower	Upper	
101	100		
85	43.1	37.6	56.4
151	84.0	61.1	91.7

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#10

Methyl Iodide

Concen: 17.40 ug/l

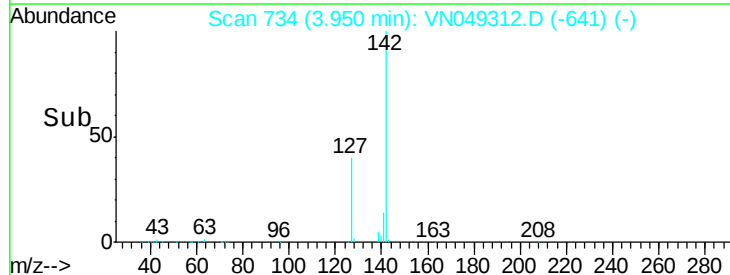
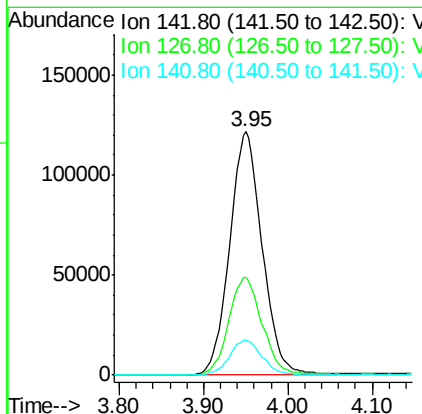
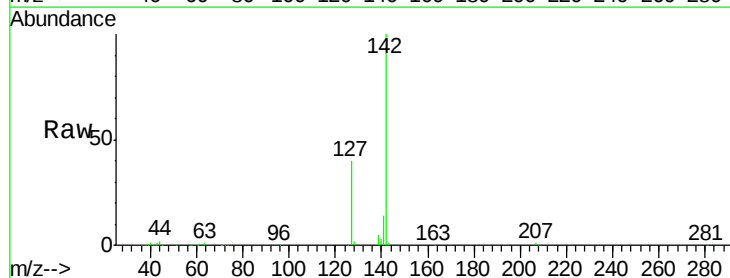
RT: 3.95 min Scan# 734

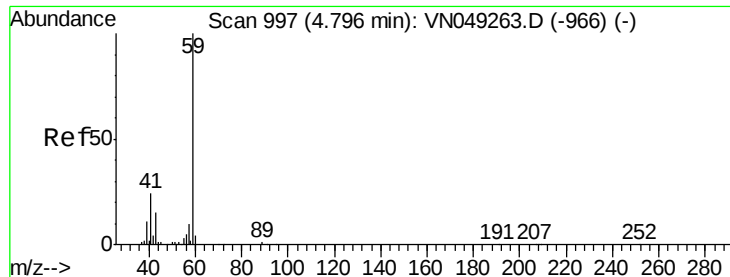
Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Tgt Ion:	142	Resp:	326735
Ion Ratio	Lower	Upper	
142	100		
127	41.1	38.2	57.4
141	14.5	11.9	17.9





#11

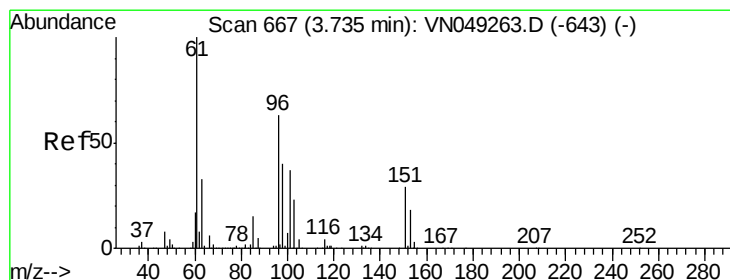
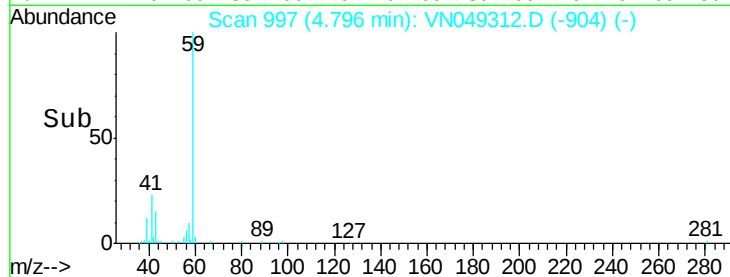
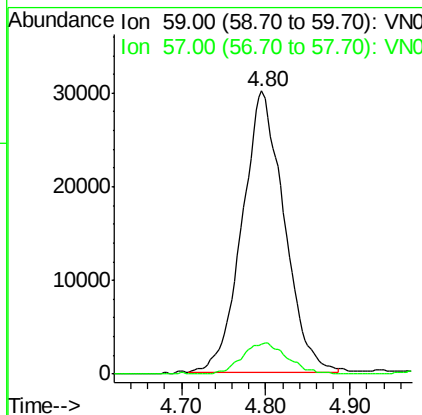
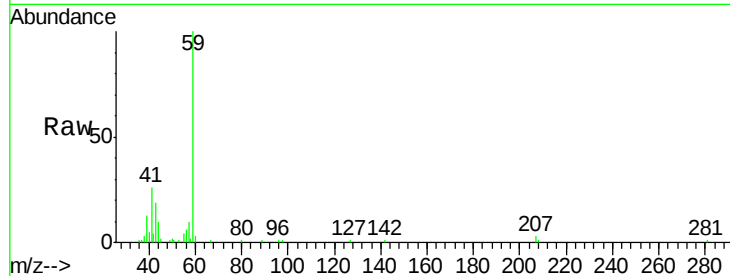
Tert butyl alcohol
 Concen: 92.27 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBSD03

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	9.0	13.6

Manual Integrations
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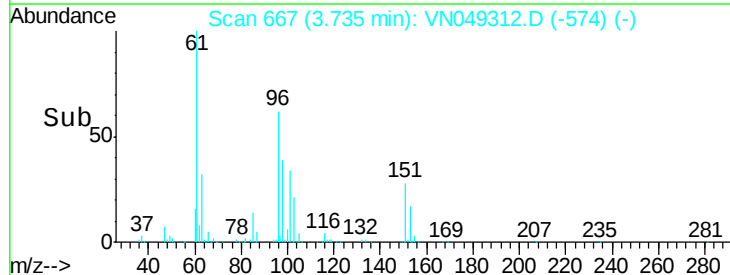
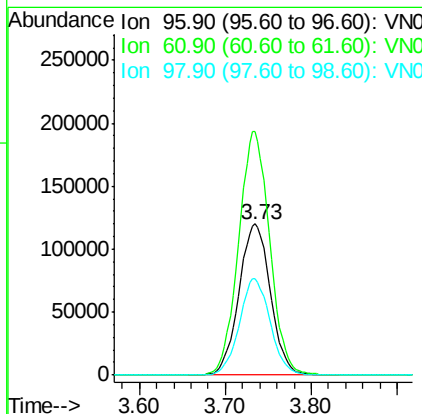
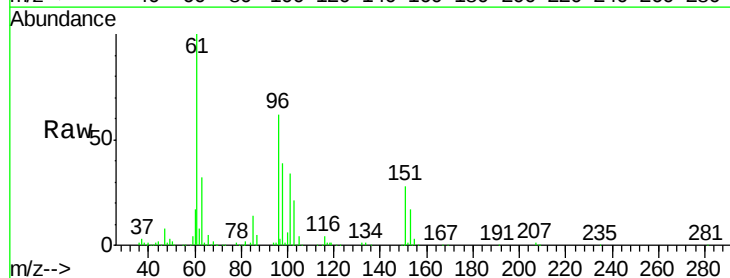
MMDadoda
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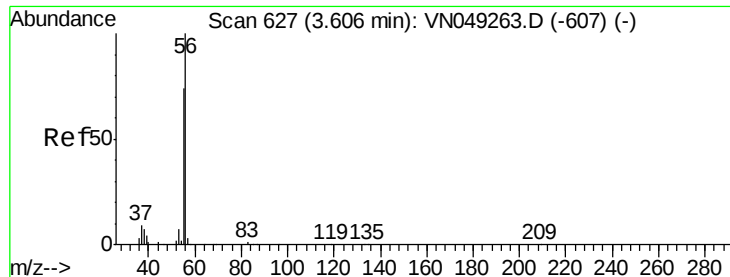


#12

1,1-Dichloroethene
 Concen: 18.47 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.0	141.0	211.4
98	63.6	50.4	75.6





#13

Acrolein

Concen: 81.21 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBSD03

Tot Ion: 56 Resp: 95678

Ion Ratio Lower Upper

56 100

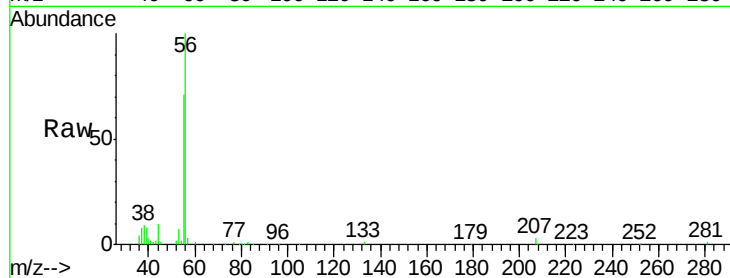
55 73.3 57.1 85.7

Manual Integrations

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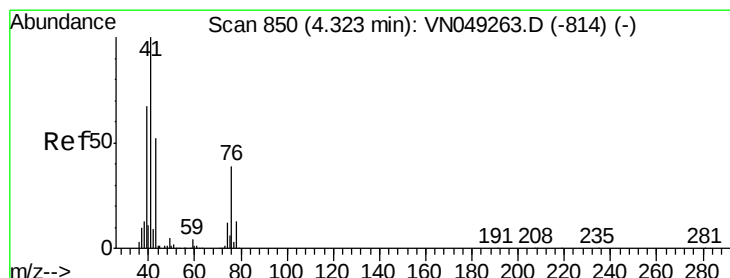
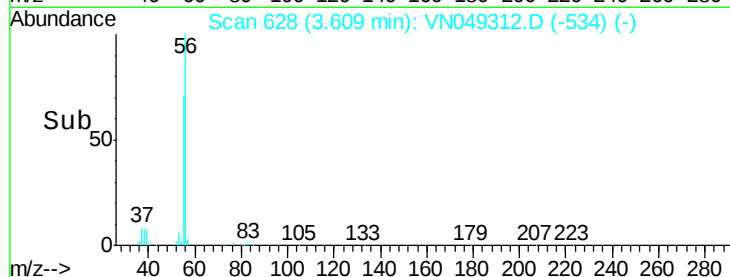
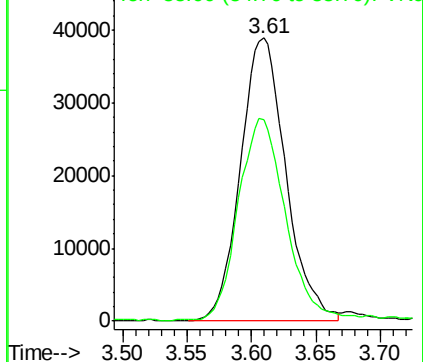
MMDadoda

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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: 18.91 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

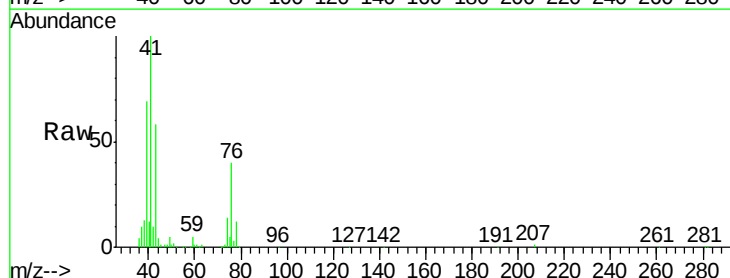
Tgt Ion: 41 Resp: 494099

Ion Ratio Lower Upper

41 100

39 68.0 62.5 93.7

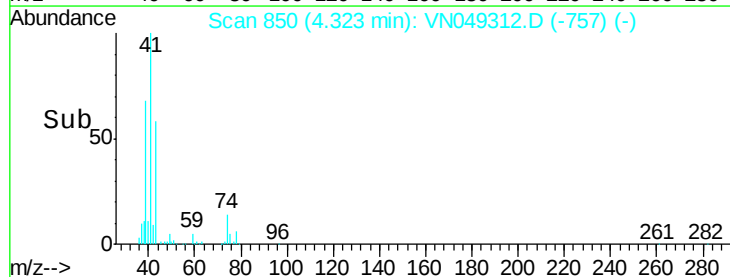
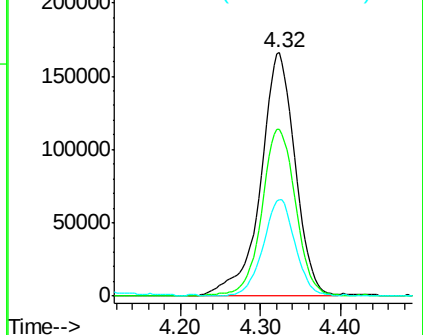
76 36.0 27.1 40.7

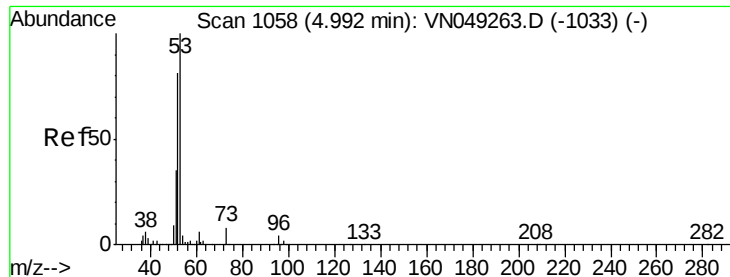


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





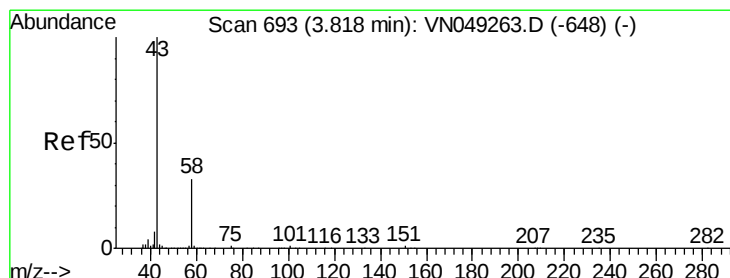
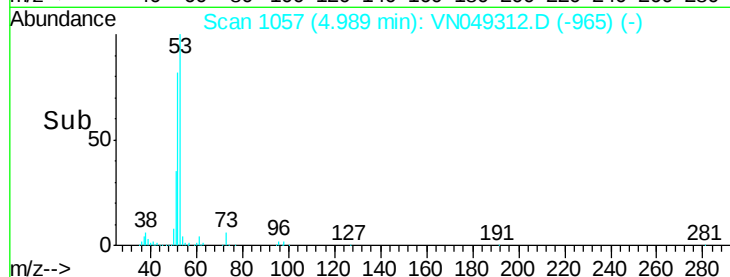
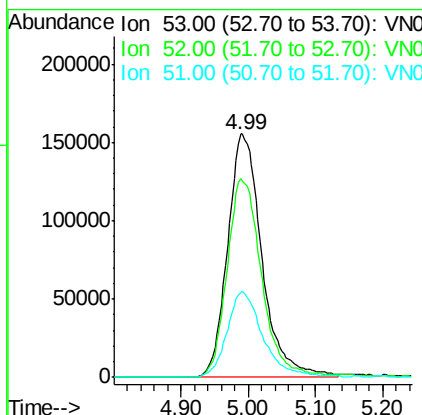
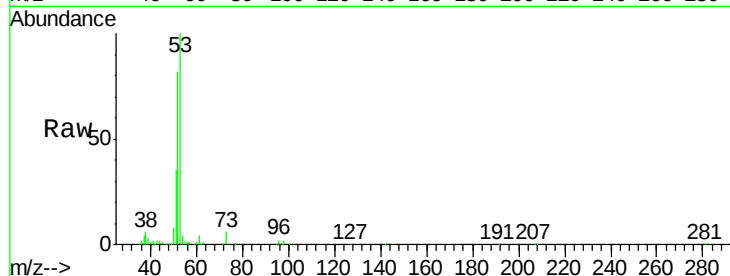
#15
 Acrylonitrile
 Concen: 98.13 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBSD03

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.6	100.0
51	36.9	29.8	44.8

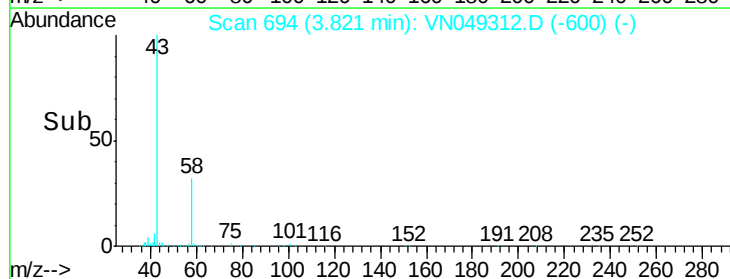
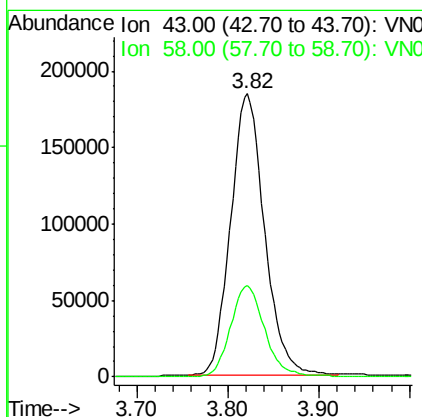
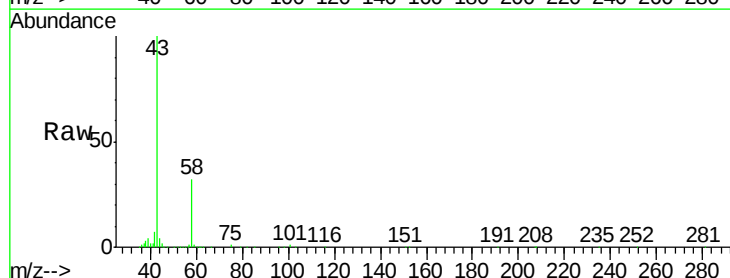
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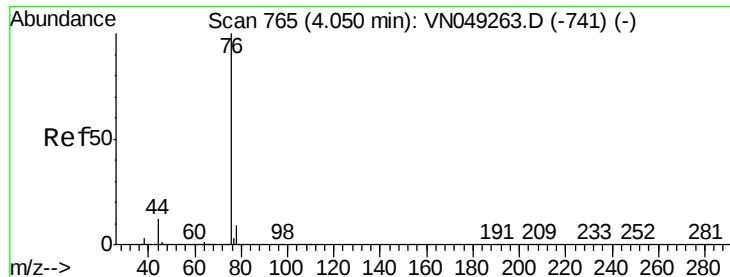
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#16
 Acetone
 Concen: 102.01 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.0	22.4	33.6





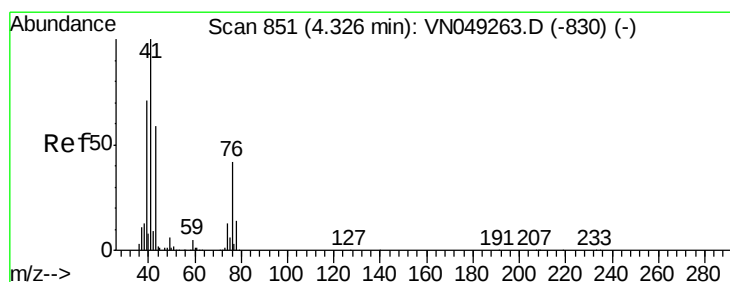
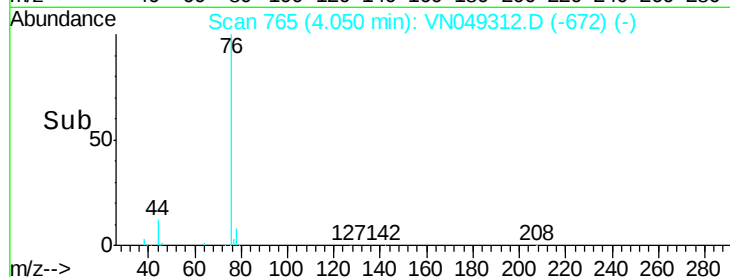
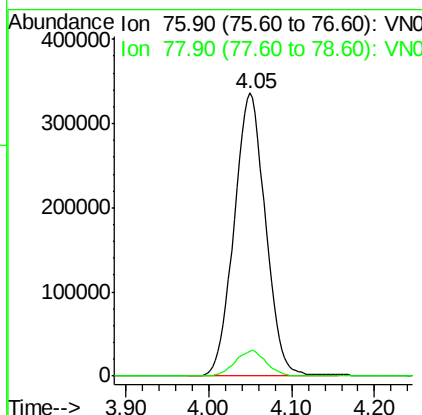
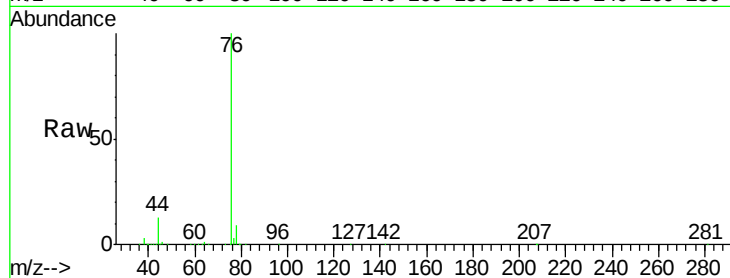
#17
Carbon Disulfide
Concen: 17.08 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBSD03

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

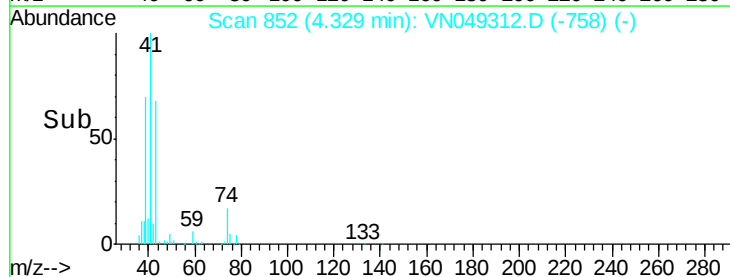
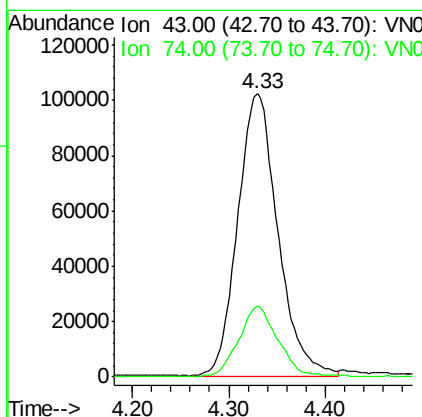
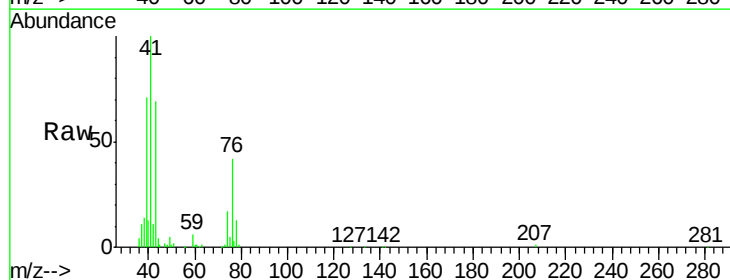
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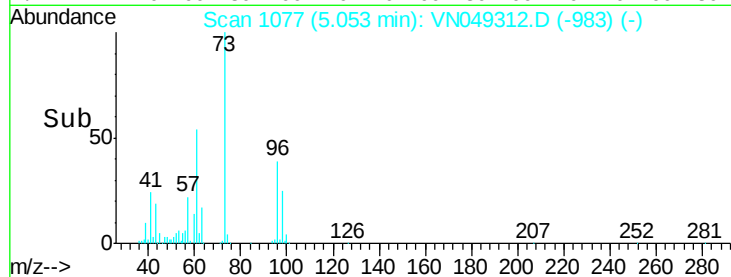
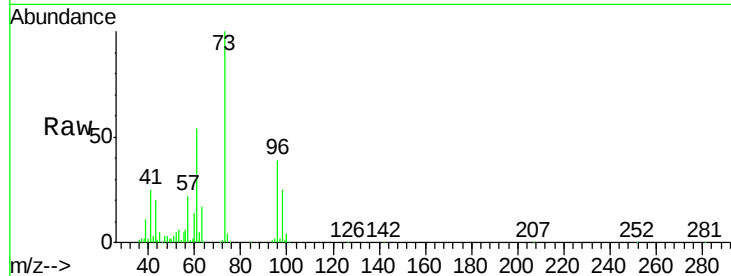
MMDadoda
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#18
Methyl Acetate
Concen: 20.80 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	17.4	26.0





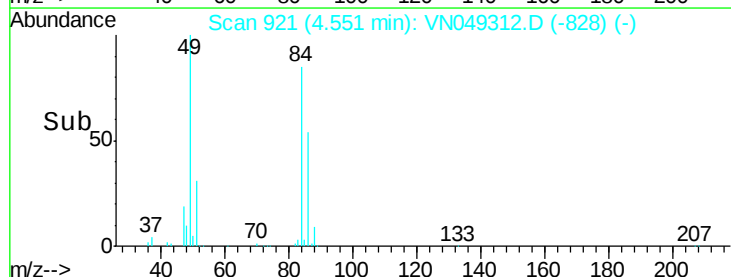
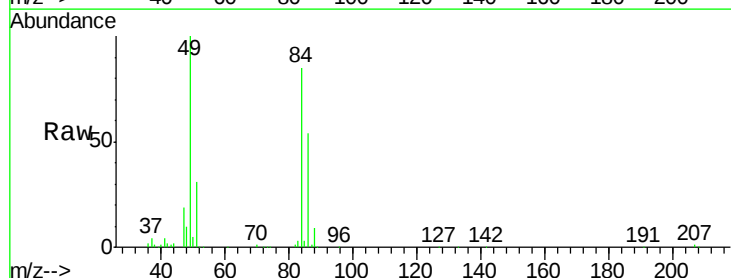
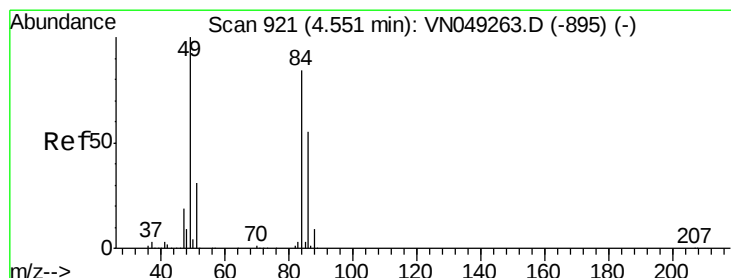
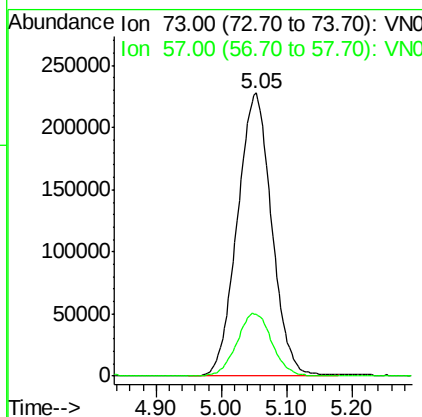
#19
Methvl tert-butvl Ether
Concen: 19.78 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tot Ion: 73 Resp: 834470
Ion Ratio Lower Upper
73 100
57 21.7 18.2 27.4

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBSD03

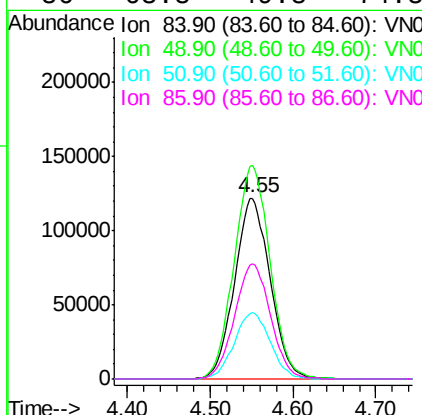
Manual Integrations
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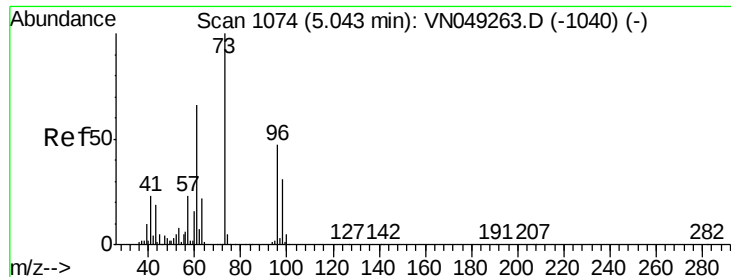
MMDadoda
6/18/2018 3:16:23 PM



#20
Methylene Chloride
Concen: 18.79 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion: 84 Resp: 364756
Ion Ratio Lower Upper
84 100
49 117.9 106.9 160.3
51 37.0 32.7 49.1
86 63.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.59 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

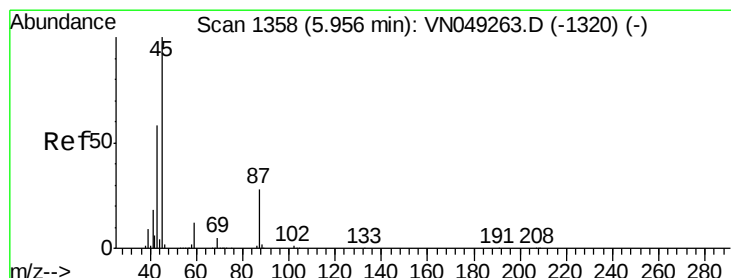
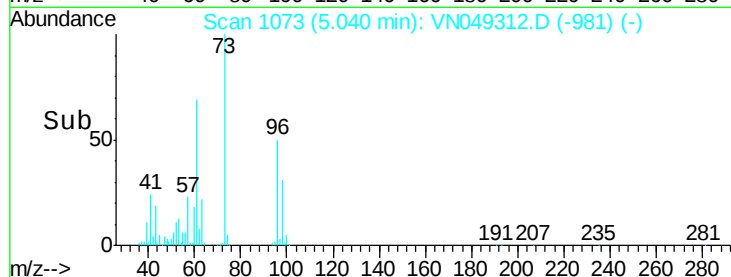
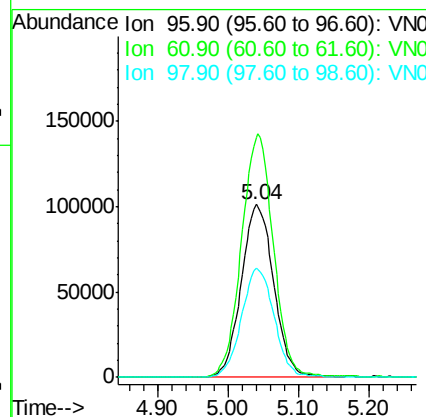
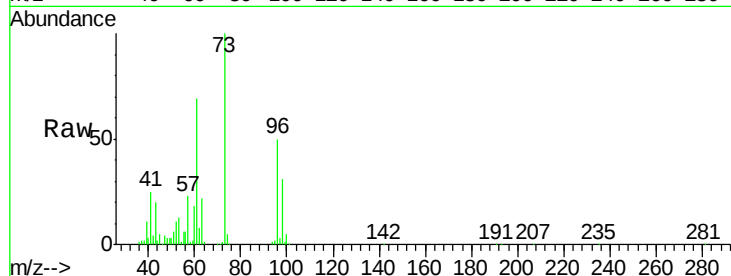
ClientSampleId :

VN0616WBSD03

Tot Ion:	96	Resp:	325657
Ion	Ratio	Lower	Upper
96	100		
61	138.4	121.3	181.9
98	63.1	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.09 ug/l

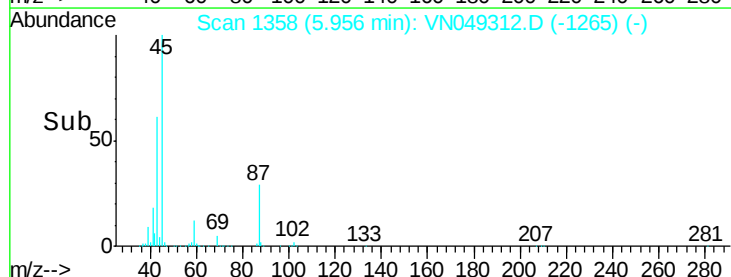
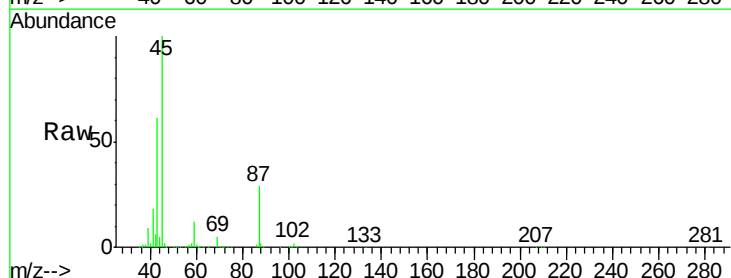
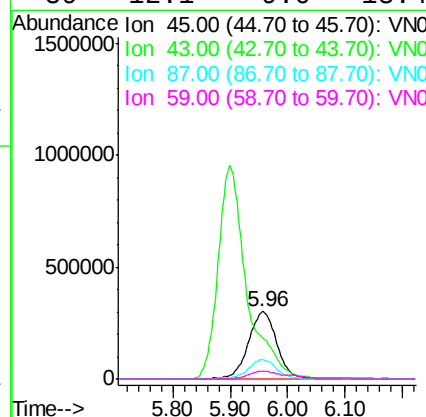
RT: 5.96 min Scan# 1358

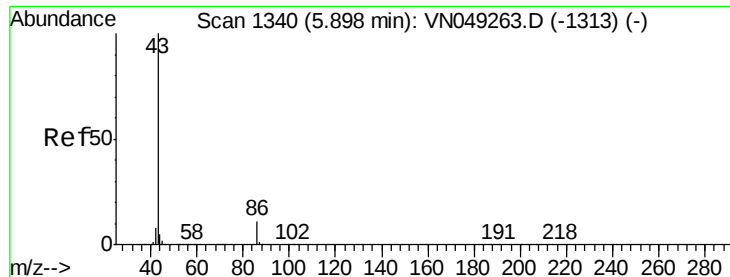
Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Tgt Ion:	45	Resp:	1048338
Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.6	72.8
87	28.6	20.2	30.2
59	12.1	9.0	13.4





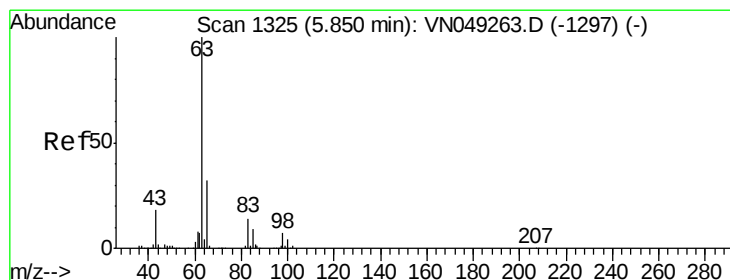
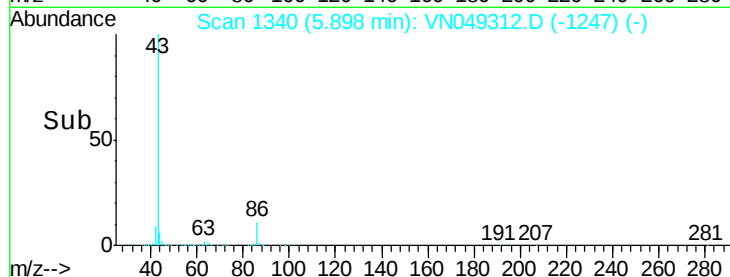
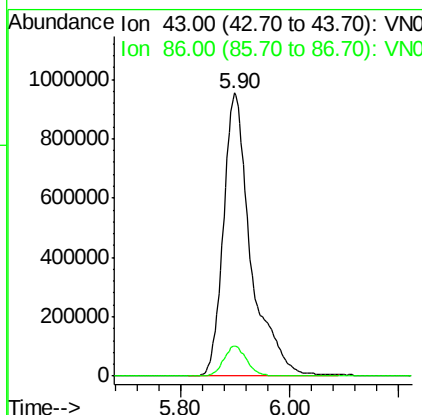
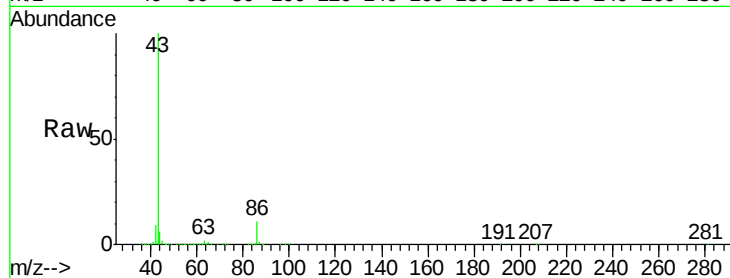
#23
 Vinyl Acetate
 Concen: 97.88 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBSD03

Tot Ion: 43 Resp: 3329459
 Ion Ratio Lower Upper
 43 100
 86 10.6 7.2 10.8

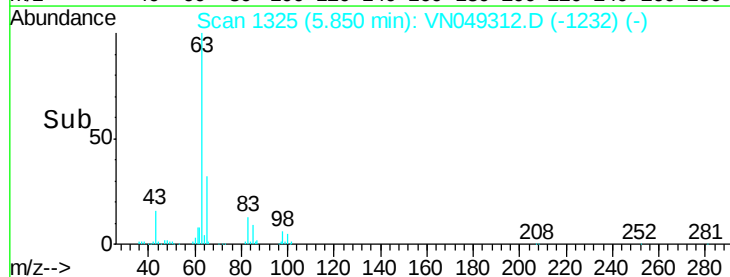
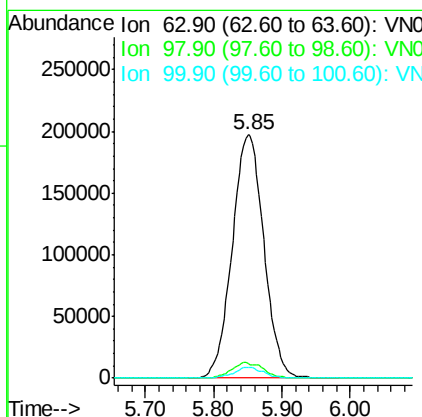
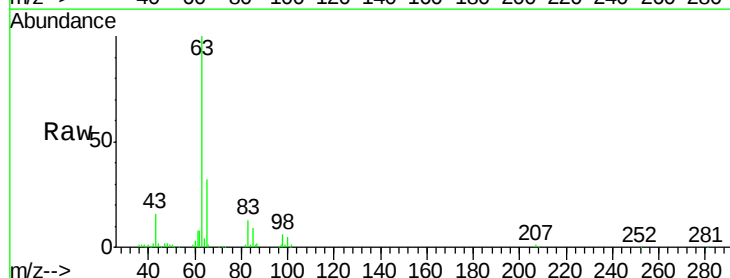
Manual Integrations
 APPROVED

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 6/18/2018 3:16:23 PM



#24
 1,1-Dichloroethane
 Concen: 19.02 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Tgt Ion: 63 Resp: 635086
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.8
 100 4.6 2.1 6.3





#25

2-Butanone

Concen: 98.84 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBSD03

Tot Ion: 43 Resp: 616809

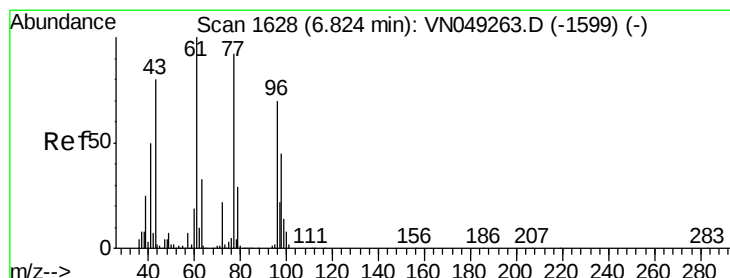
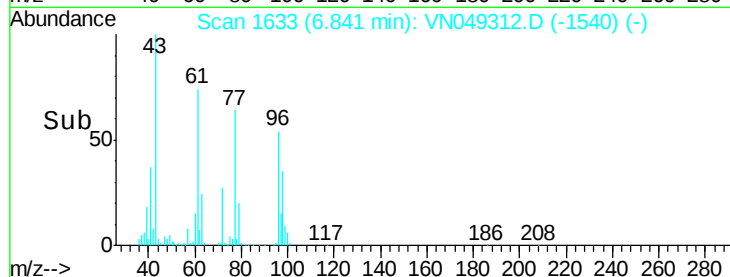
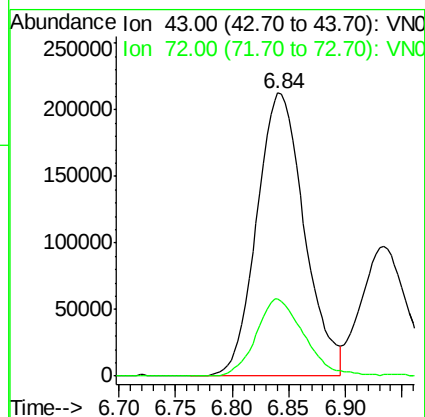
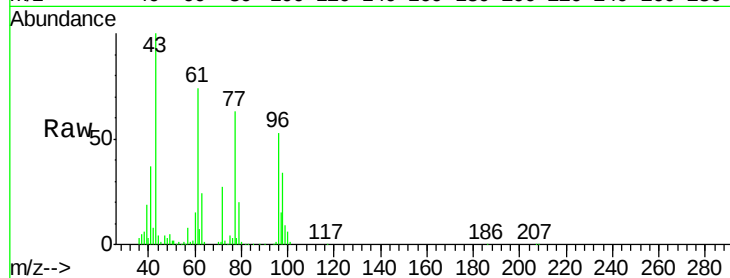
Ion Ratio Lower Upper

43 100

72 27.2 20.2 30.2

Manual Integrations
APPROVED

MMDadoda
6/18/2018 3:16:23 PM



#26

2,2-Dichloropropane

Concen: 19.44 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049312.D

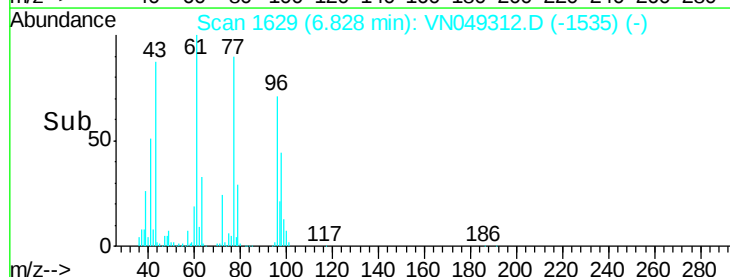
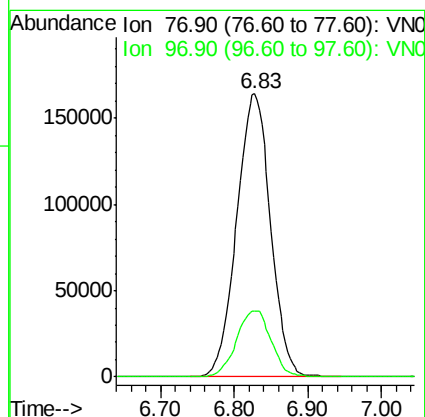
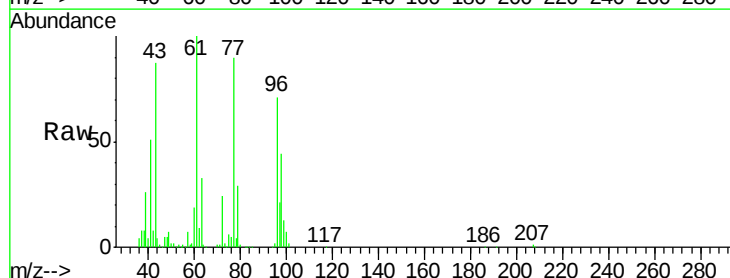
Acq: 16 Jun 2018 16:22

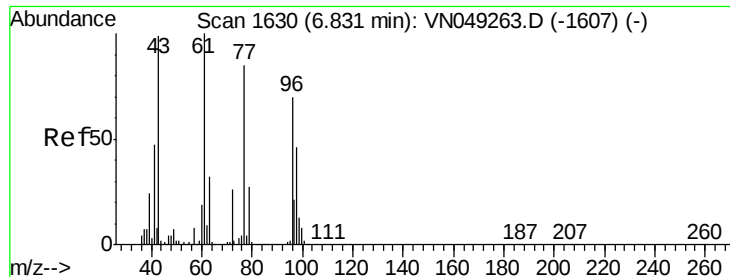
Tgt Ion: 77 Resp: 524215

Ion Ratio Lower Upper

77 100

97 24.0 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.52 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

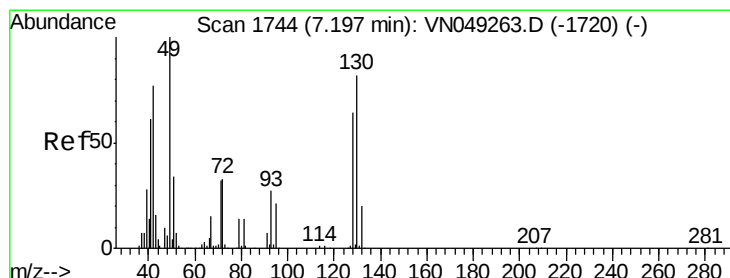
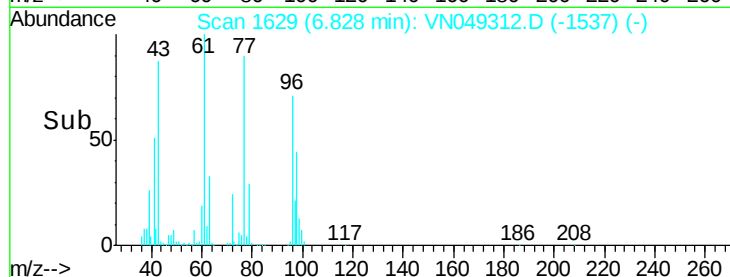
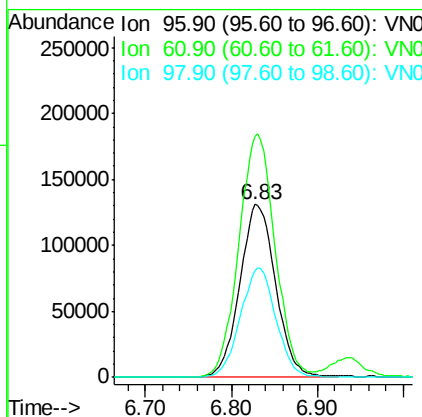
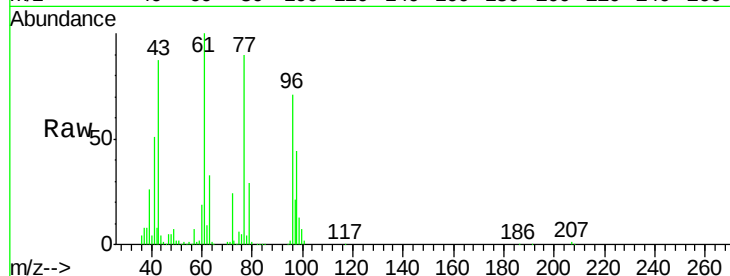
ClientSampleId :

VN0616WBSD03

Tot Ion:	96	Resp:	380157
Ion Ratio	Lower	Upper	
96	100		
61	141.9	0.0	316.4
98	62.9	0.0	128.4

Manual Integrations
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6/18/2018 3:16:23 PM



#28

Bromochloromethane

Concen: 20.47 ug/l

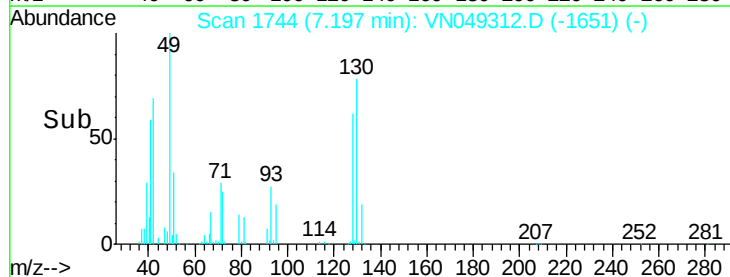
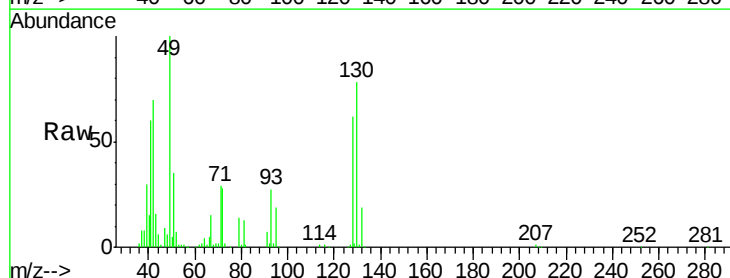
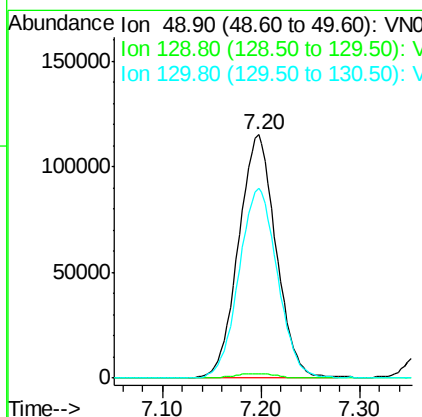
RT: 7.20 min Scan# 1744

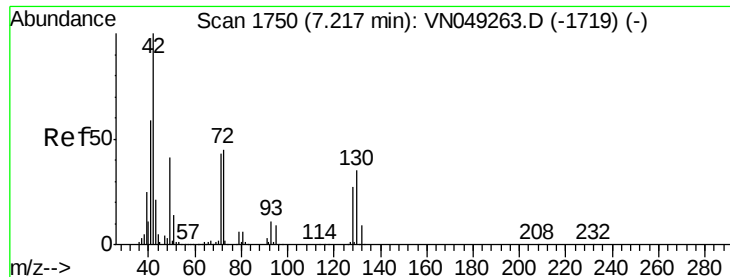
Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Tgt Ion:	49	Resp:	303005
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	3.8
130	80.1	54.9	82.3





#29

Tetrahydrofuran

Concen: 97.58 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

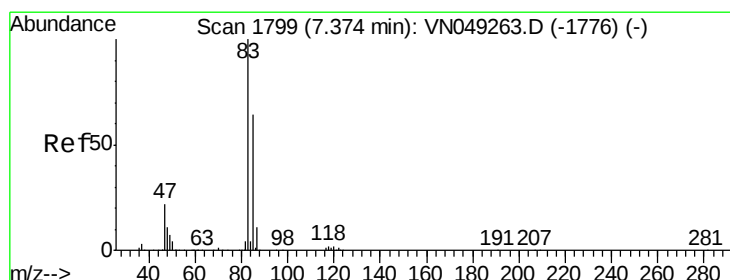
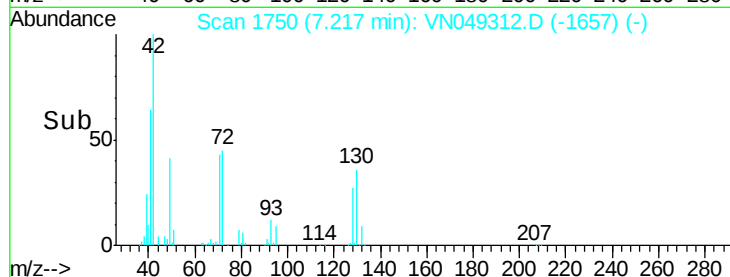
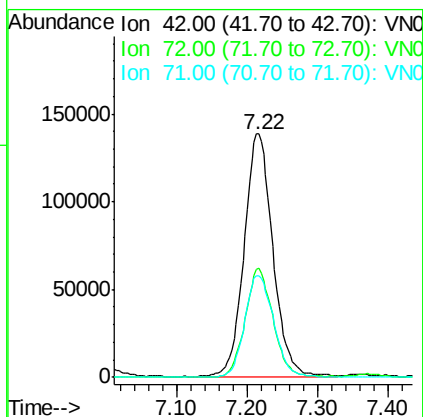
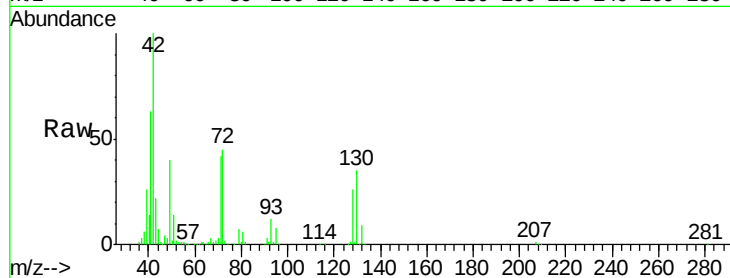
ClientSampleId :

VN0616WBSD03

Tot Ion:	42	Resp:	392011
Ion Ratio		Lower	Upper
42	100		
72	43.5	32.2	48.4
71	42.4	30.5	45.7

Manual Integrations
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6/18/2018 3:16:23 PM



#30

Chloroform

Concen: 19.29 ug/l

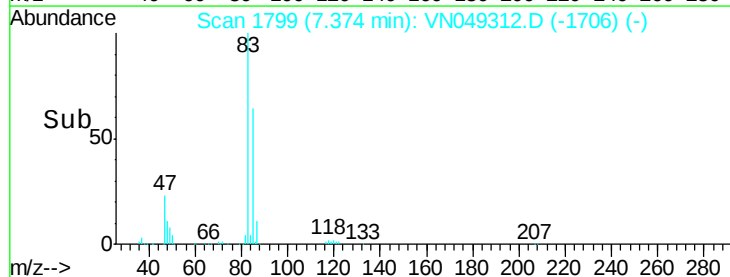
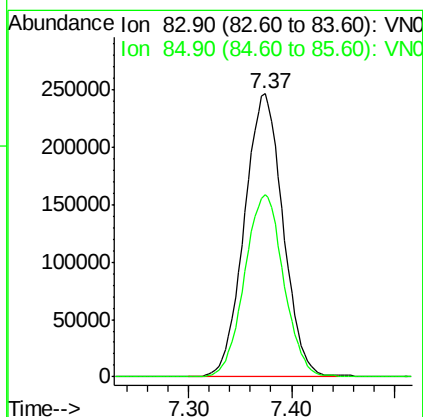
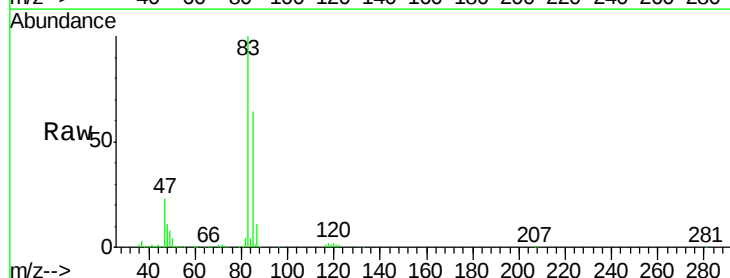
RT: 7.37 min Scan# 1799

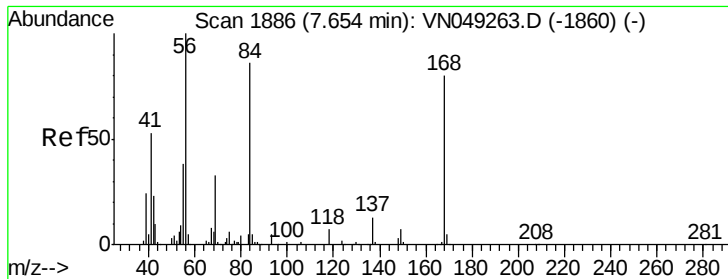
Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Tgt Ion:	83	Resp:	641168
Ion Ratio		Lower	Upper
83	100		
85	64.3	51.7	77.5





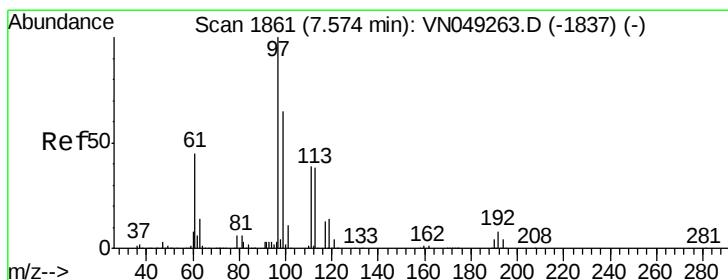
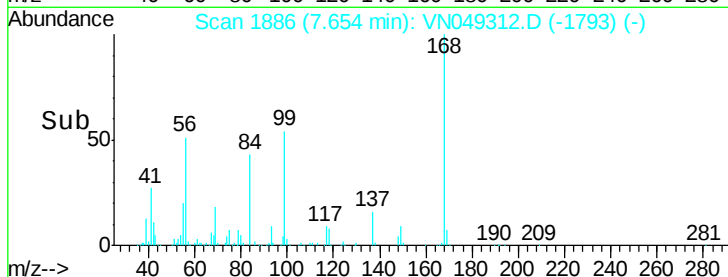
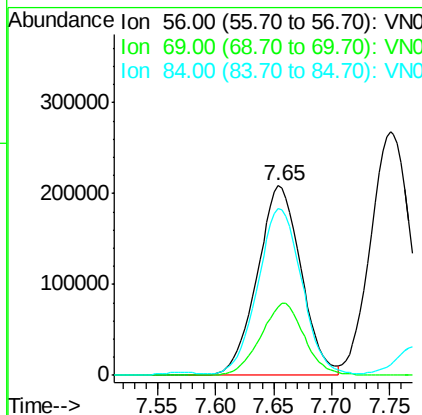
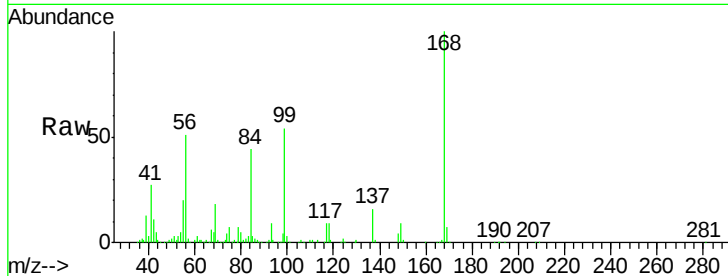
#31
Cyclohexane
Concen: 19.21 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBSD03

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	25.0	37.4
84	86.3	64.6	96.8

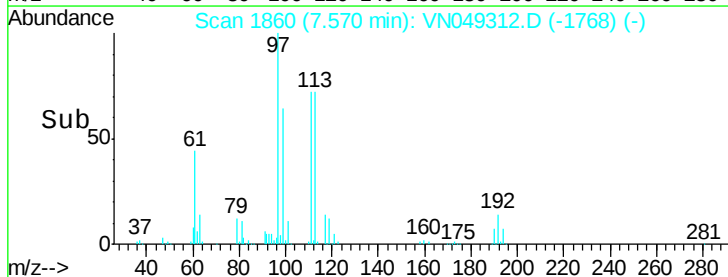
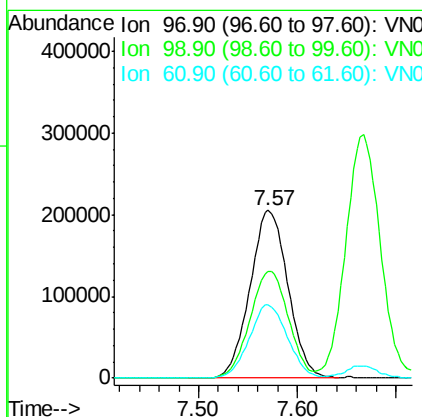
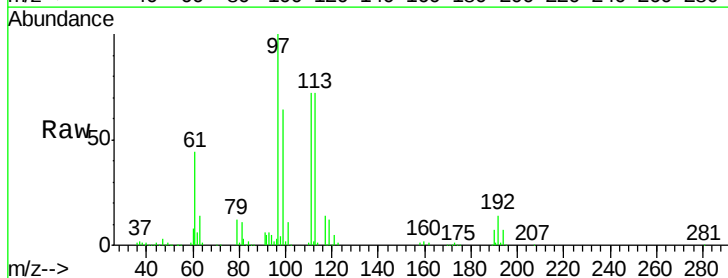
Manual Integrations
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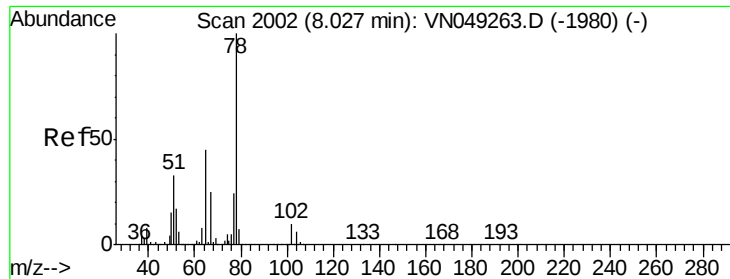
MMDadoda
6/18/2018 3:16:23 PM



#32
1,1,1-Trichloroethane
Concen: 19.27 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.5	75.7
61	44.1	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 48.98 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBSD03

Tot Ion: 65 Resp: 937623

Ion Ratio Lower Upper

65 100

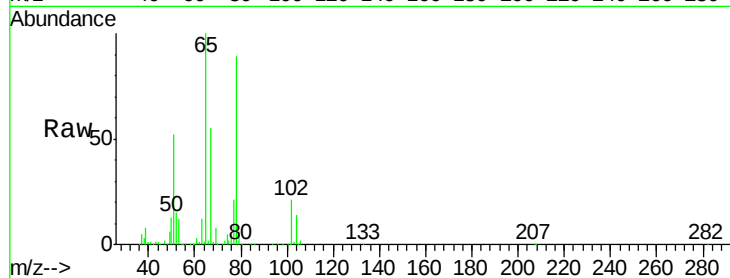
67 53.8 0.0 103.8

Manual Integrations

APPROVED

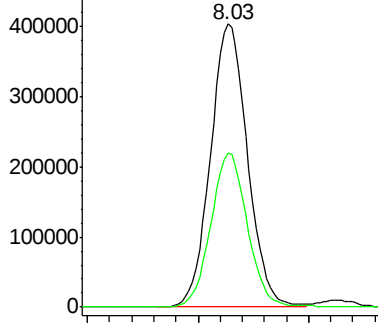
MMDadoda

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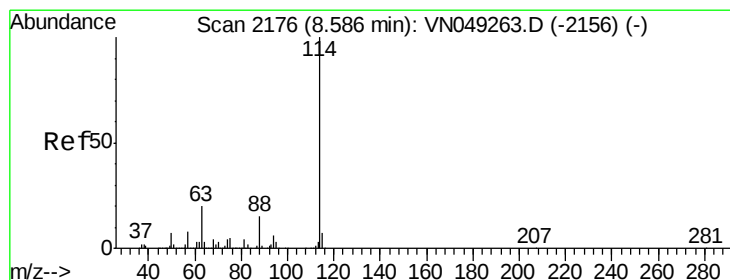
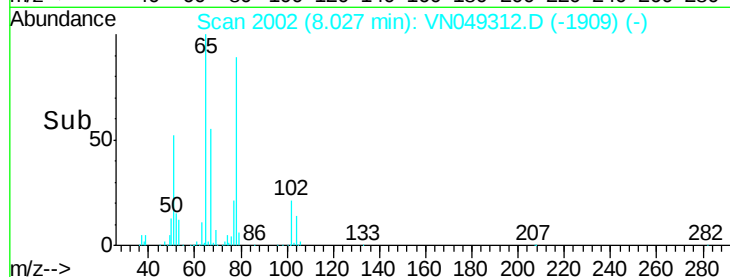


Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

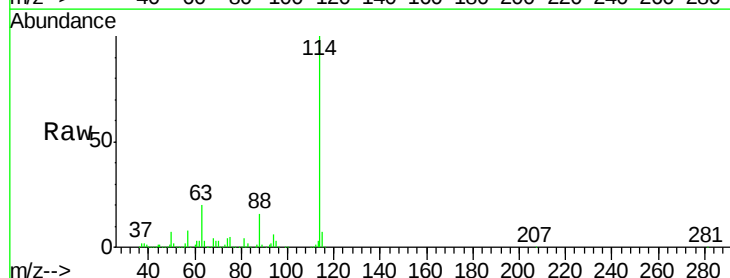
Tgt Ion: 114 Resp: 2116570

Ion Ratio Lower Upper

114 100

63 20.2 0.0 44.4

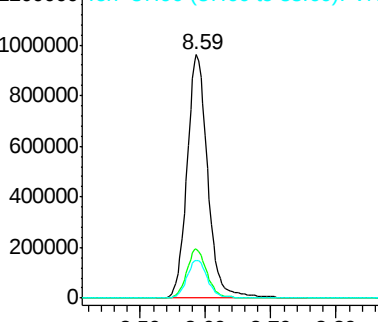
88 15.6 0.0 31.4



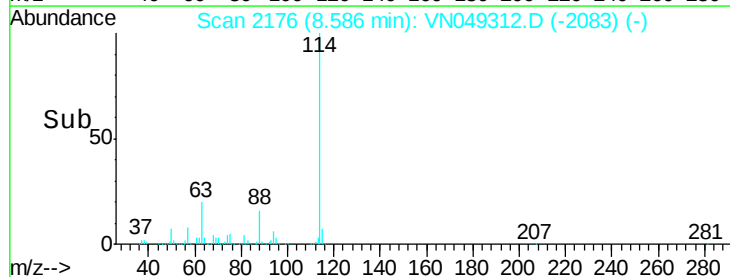
Abundance Ion 113.90 (113.60 to 114.60): V

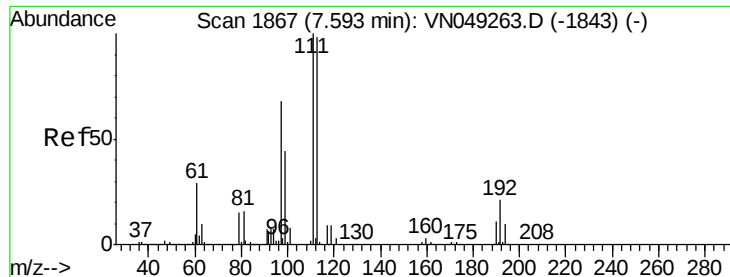
Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



Time-->





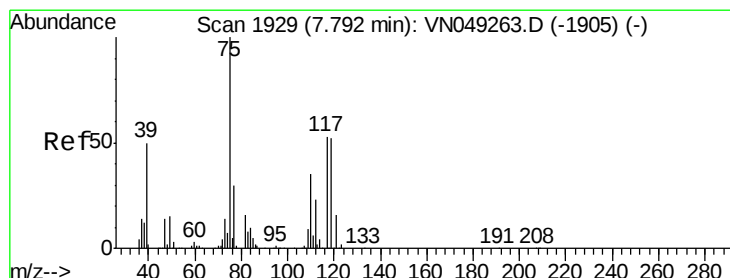
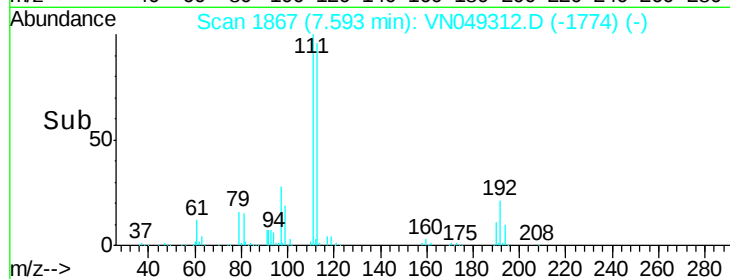
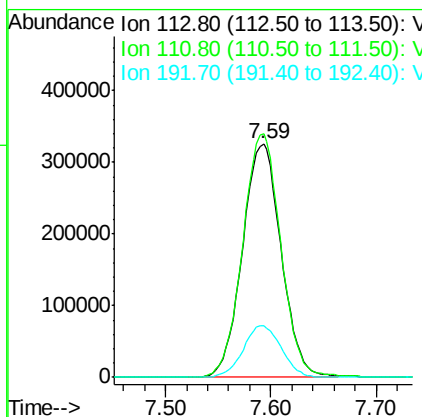
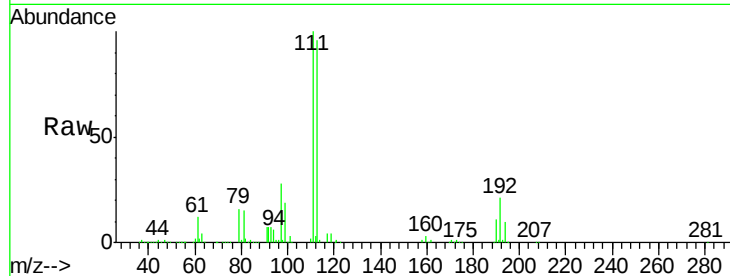
#35
 Dibromofluoromethane
 Concen: 48.56 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	831566		
111	103.0		82.4	123.6
192	21.8		15.0	22.6

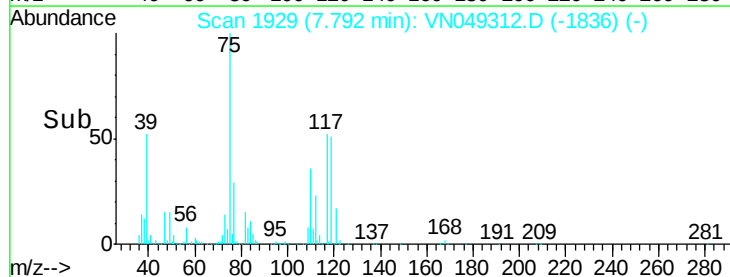
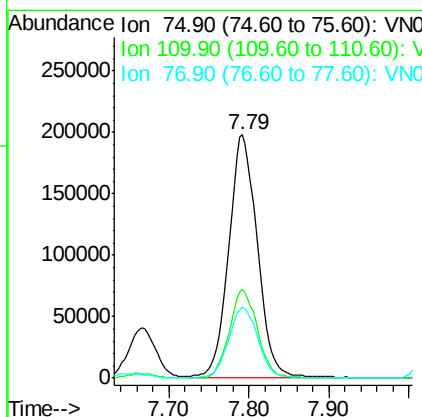
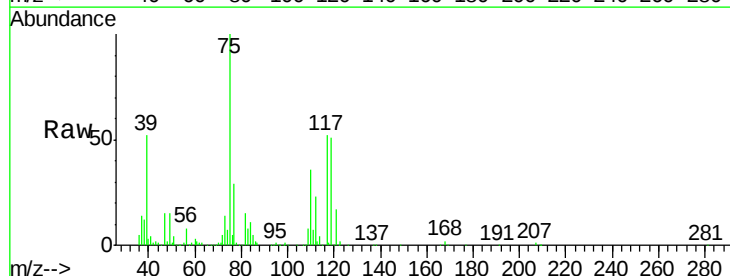
Manual Integrations
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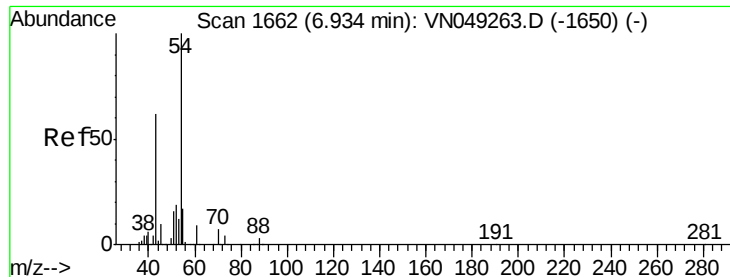
MMDadoda
 6/18/2018 3:16:23 PM



#36
 1,1-Dichloropropene
 Concen: 19.68 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	477364		
110	36.1		17.0	50.9
77	29.8		24.4	36.6





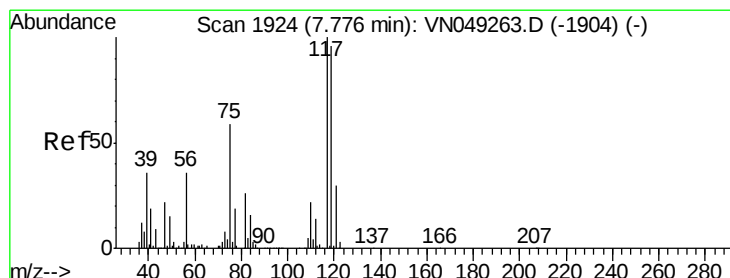
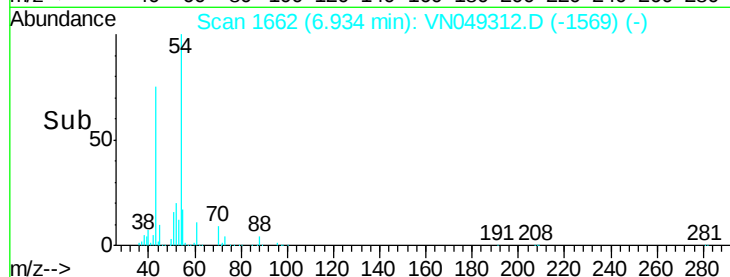
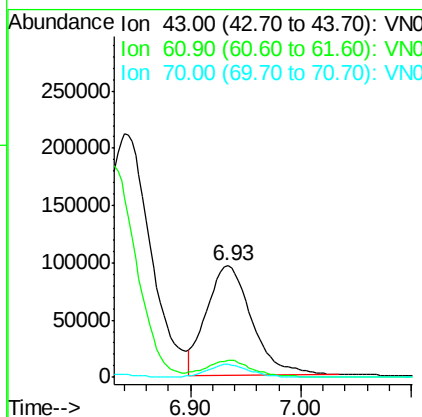
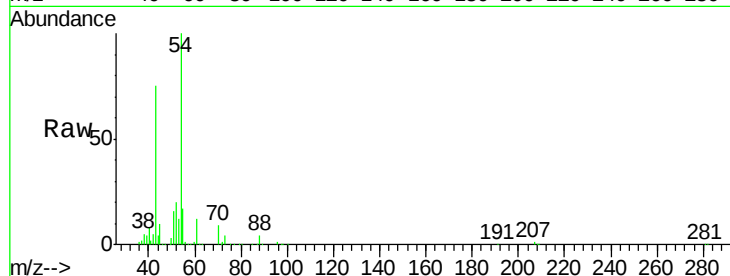
#37
Ethyl Acetate
Concen: 20.84 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.0	16.4
70	10.9	7.2	10.8

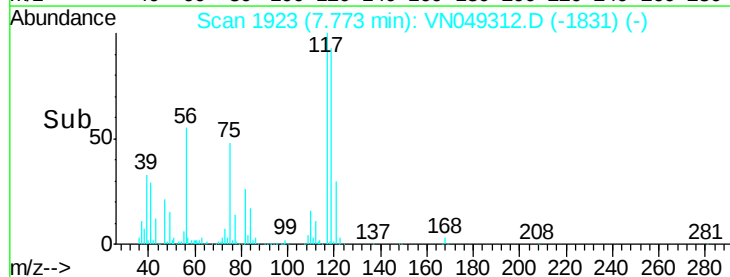
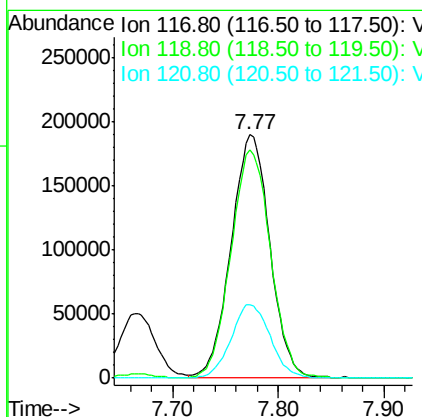
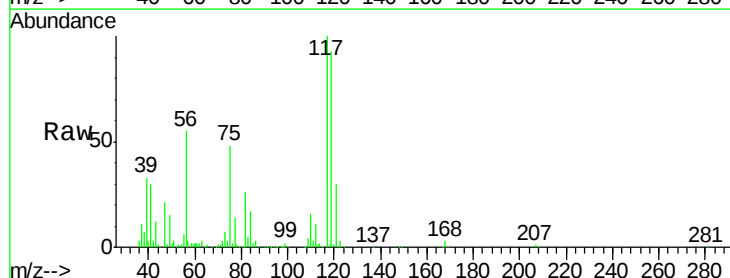
Manual Integrations
APPROVED

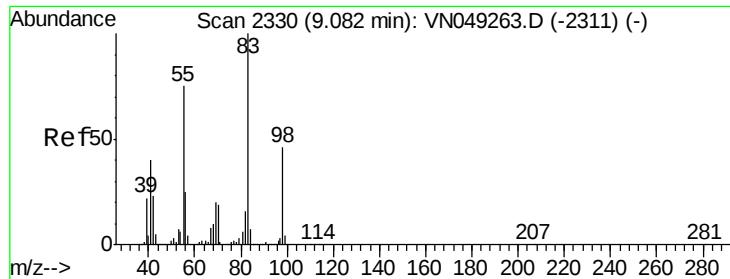
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.14 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	75.6	113.4
121	30.2	24.7	37.1





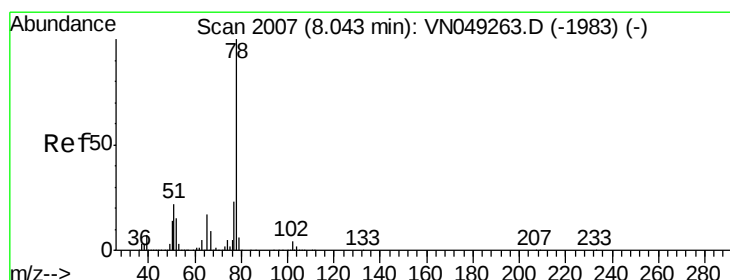
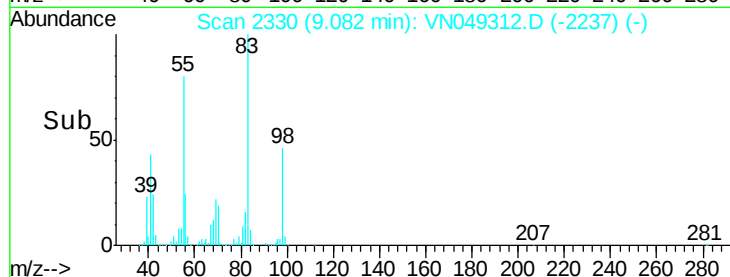
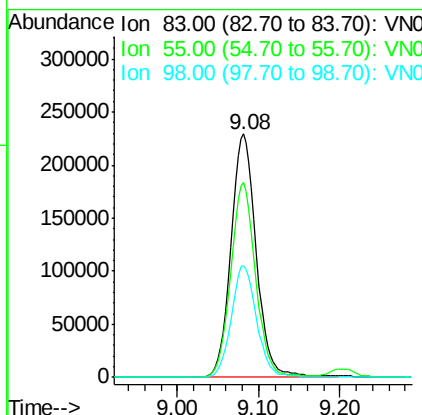
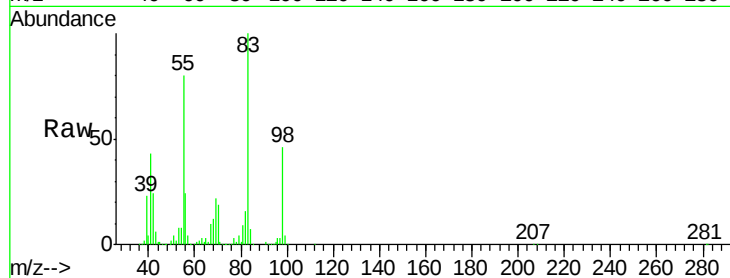
#39
Methvlcvclohexane
Concen: 19.18 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBSD03

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	65.1	97.7
98	46.0	36.5	54.7

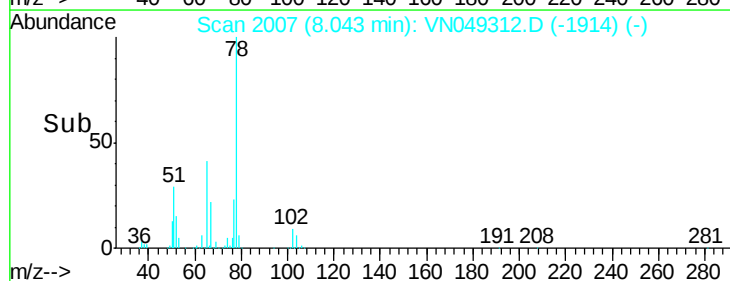
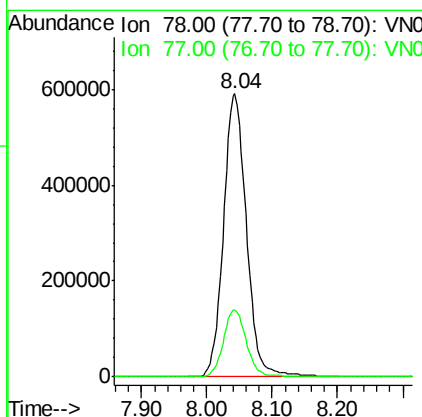
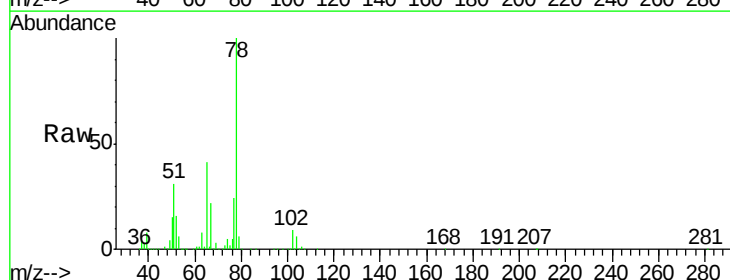
Manual Integrations
APPROVED

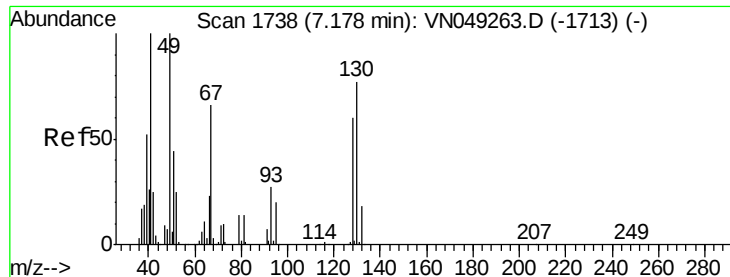
MMDadoda
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#40
Benzene
Concen: 19.33 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





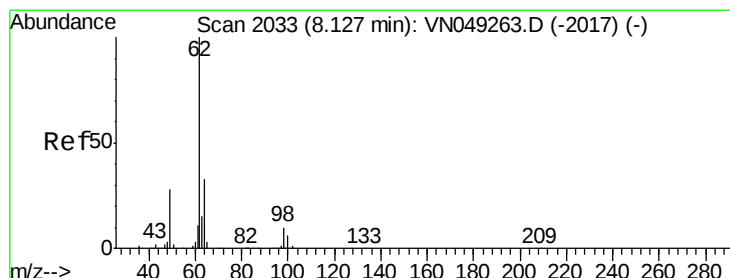
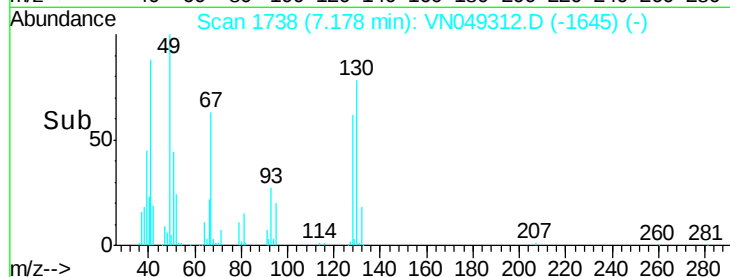
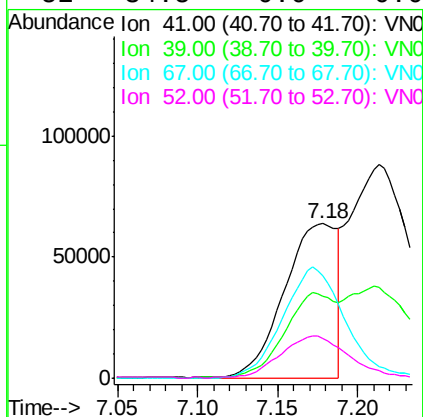
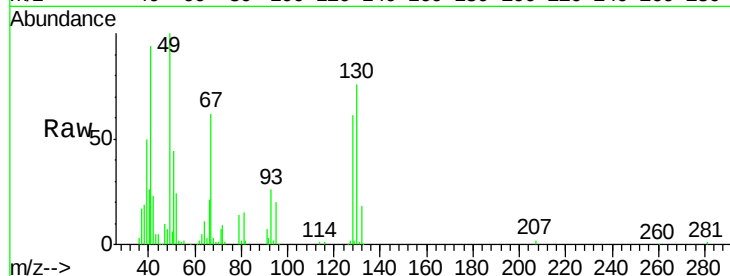
#41
Methacrylonitrile
Concen: 20.57 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBSD03

Tot Ion	41	Resp	146628
Ion	Ratio	Lower	Upper
41	100		
39	52.2	0.0	0.0#
67	86.0	0.0	0.0#
52	34.5	0.0	0.0#

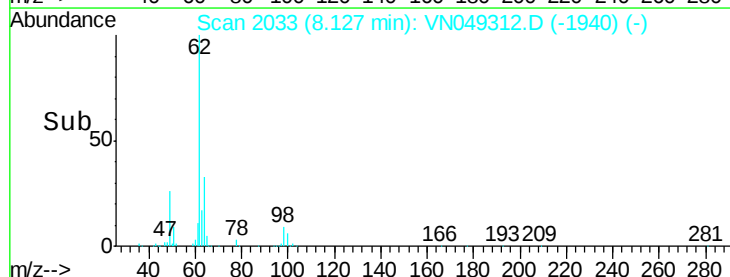
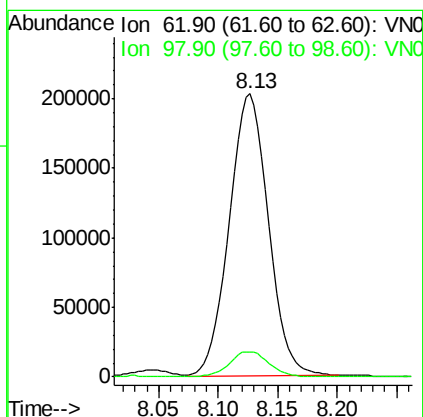
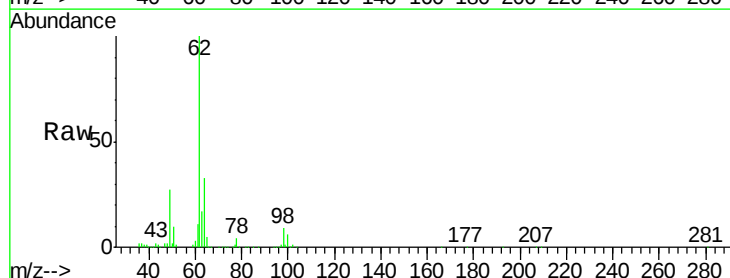
Manual Integrations
APPROVED

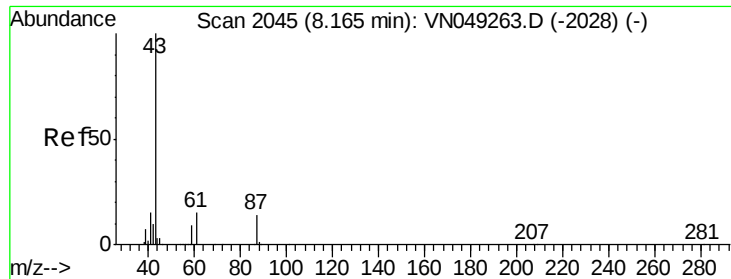
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.14 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion	62	Resp	462659
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.2





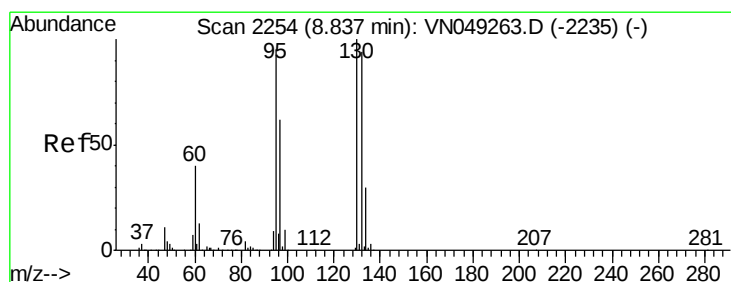
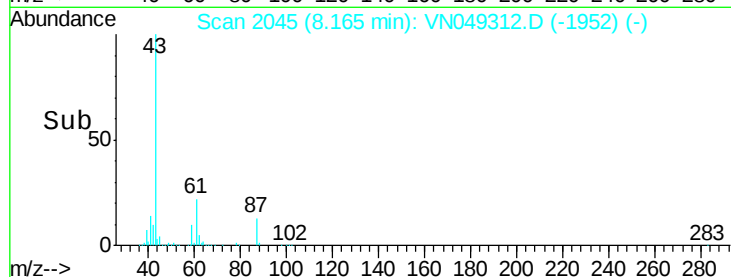
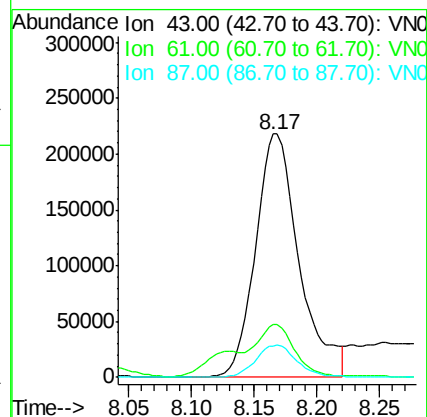
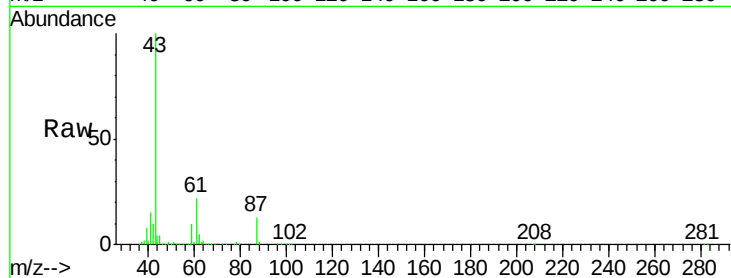
#43
Isopropyl Acetate
Concen: 20.79 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.2	21.4
87	12.8	9.4	14.0

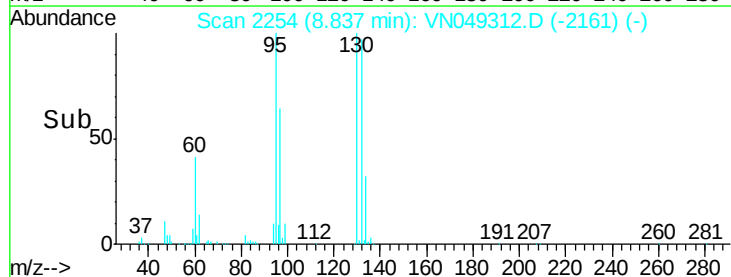
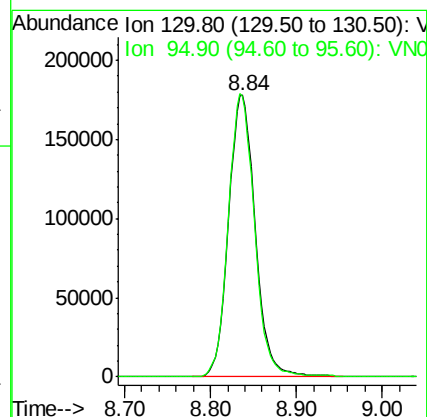
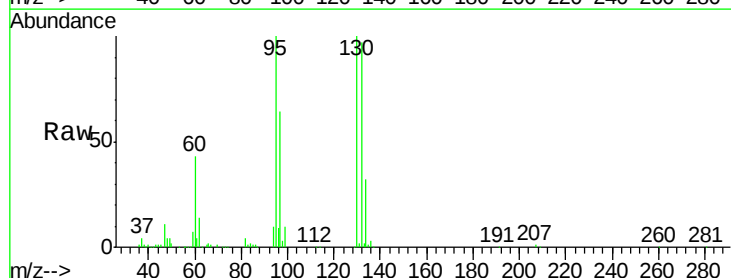
Manual Integrations
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#44
Trichloroethene
Concen: 19.54 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	208.6





#45

1,2-Dichloropropane

Concen: 19.84 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBSD03

Tot Ion: 63 Resp: 386409

Ion Ratio Lower Upper

63 100

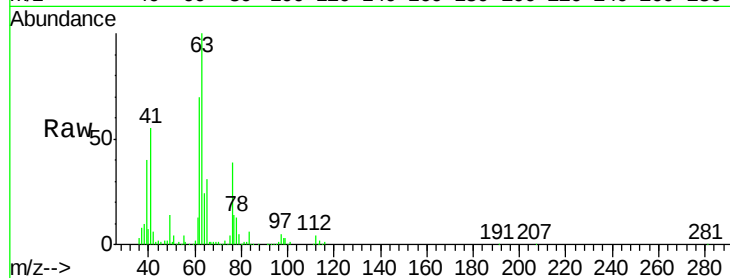
65 31.0 24.8 37.2

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

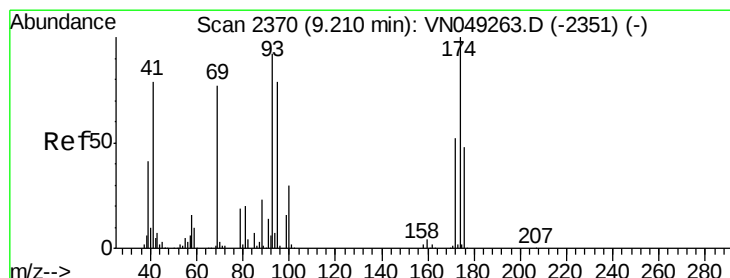
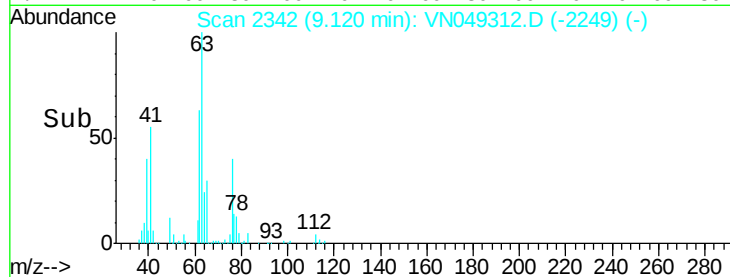
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 19.72 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

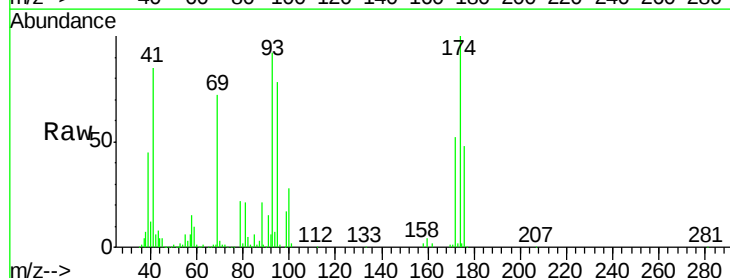
Tgt Ion: 93 Resp: 222664

Ion Ratio Lower Upper

93 100

95 84.8 67.2 100.8

174 110.4 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

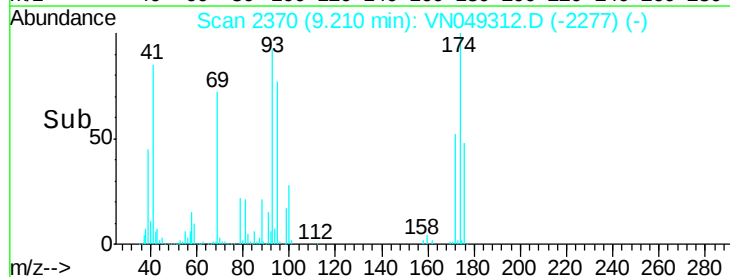
150000

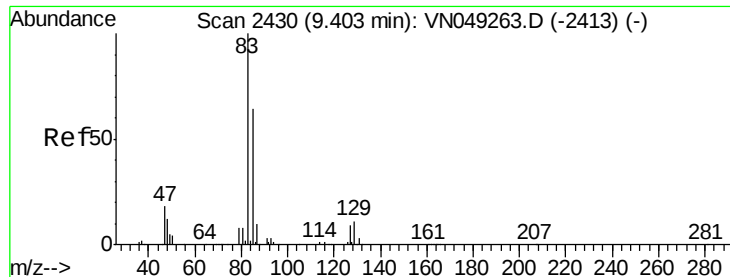
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 20.03 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

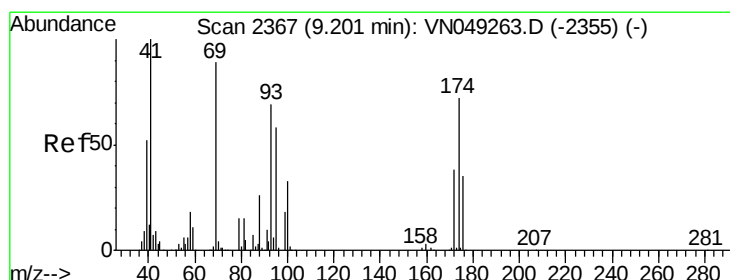
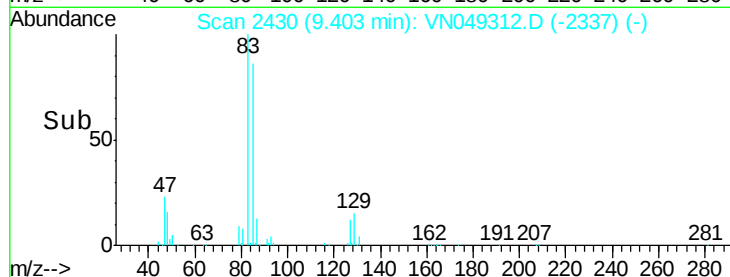
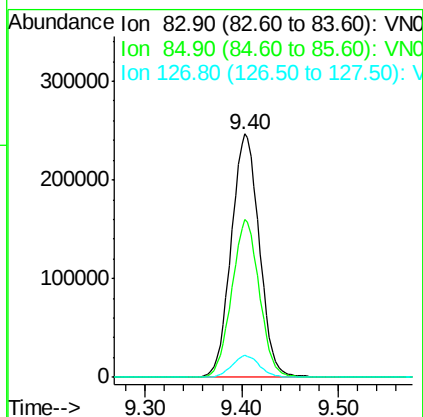
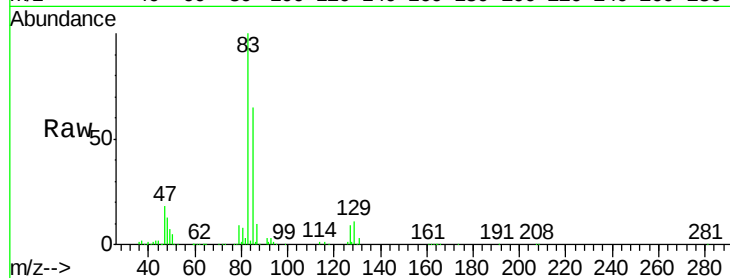
ClientSampleId :

VN0616WBSD03

Tot Ion:	83	Resp:	497008
Ion	Ratio	Lower	Upper
83	100		
85	64.7	49.4	74.0
127	8.9	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.65 ug/l

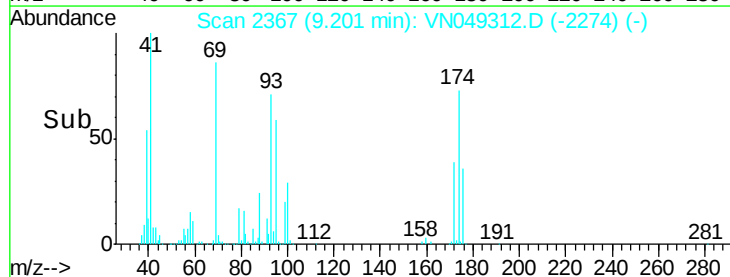
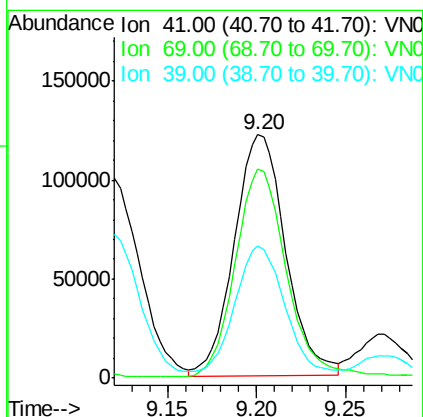
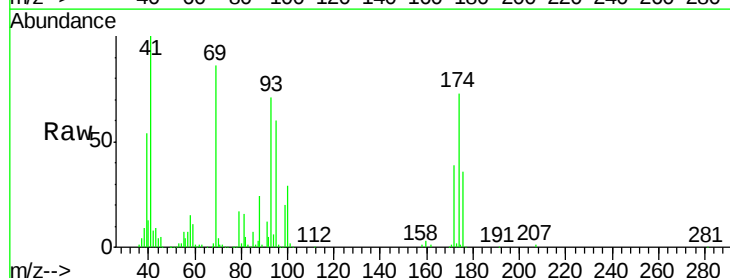
RT: 9.20 min Scan# 2367

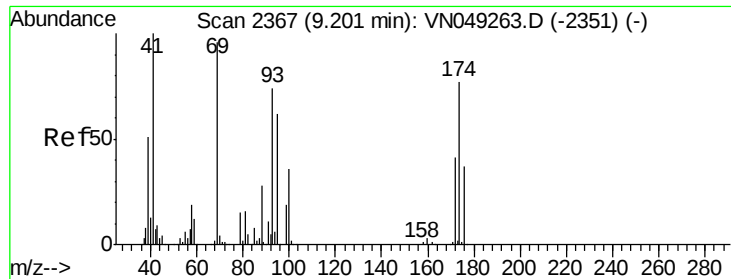
Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Tgt Ion:	41	Resp:	245000
Ion	Ratio	Lower	Upper
41	100		
69	86.1	62.0	93.0
39	53.5	50.6	75.8





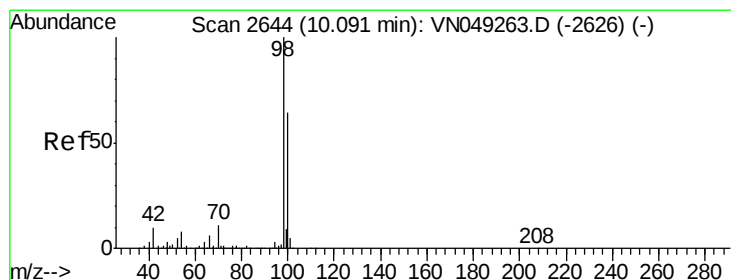
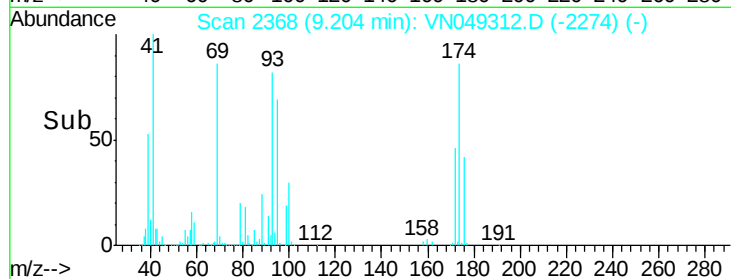
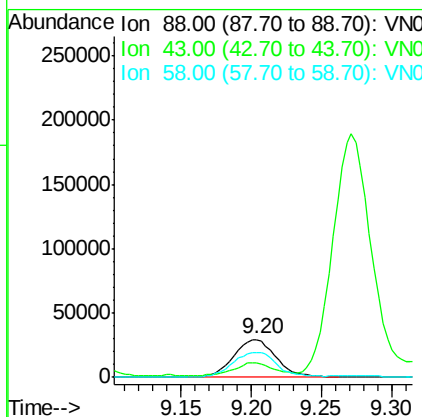
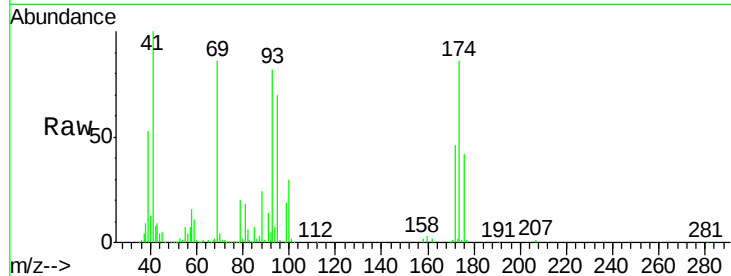
#49
1,4-Dioxane
Concen: 379.75 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBSD03

Tot Ion	88	Resp	62190
Ion	Ratio	Lower	Upper
88	100		
43	32.6	30.9	46.3
58	69.0	58.9	88.3

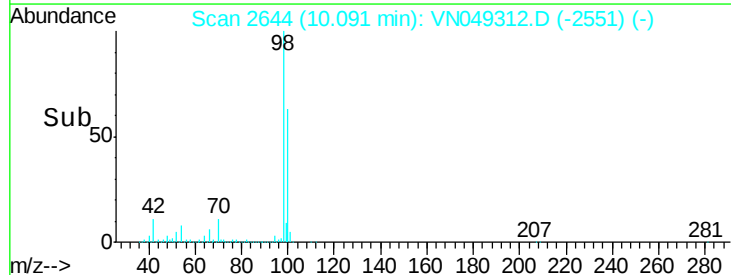
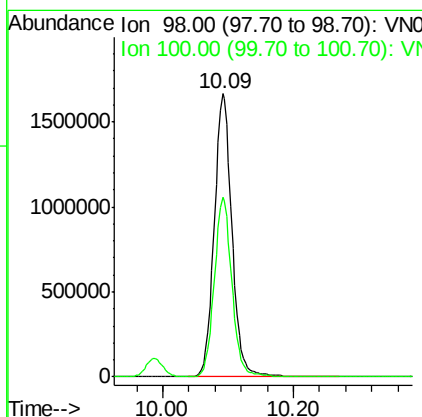
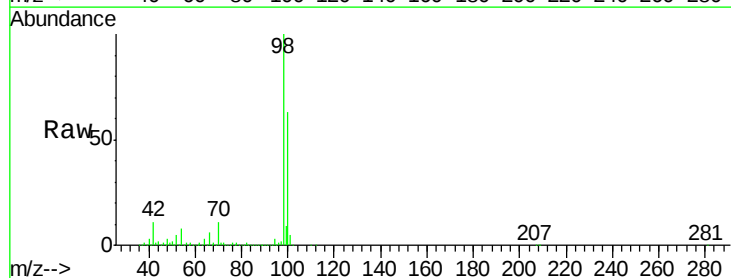
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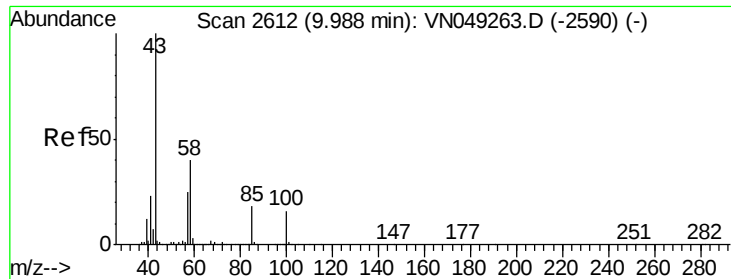
MMDadoda
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#50
Toluene-d8
Concen: 48.05 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion	98	Resp	3133100
Ion	Ratio	Lower	Upper
98	100		
100	63.5	49.8	74.8





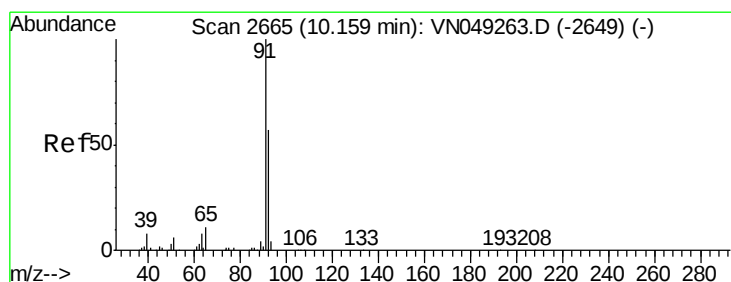
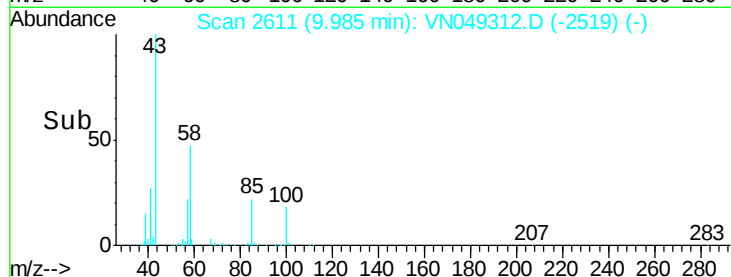
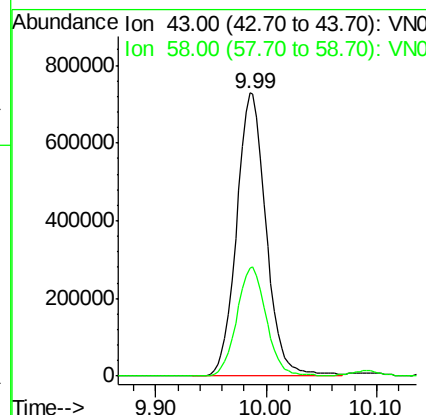
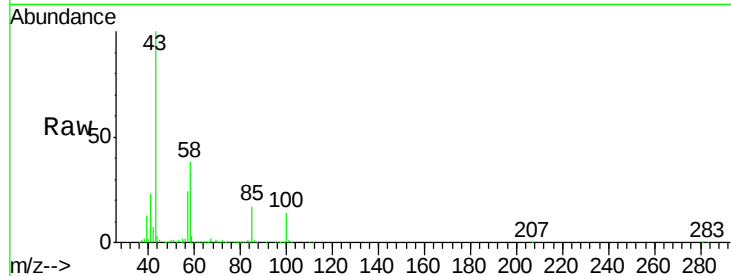
#51
4-Methyl-2-Pentanone
Concen: 101.92 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBSD03

Tot Ion: 43 Resp: 1345995
Ion Ratio Lower Upper
43 100
58 38.8 29.0 43.6

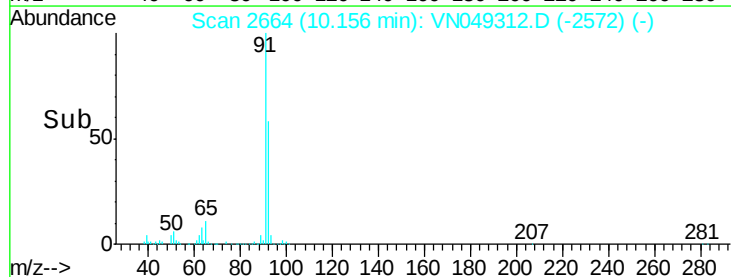
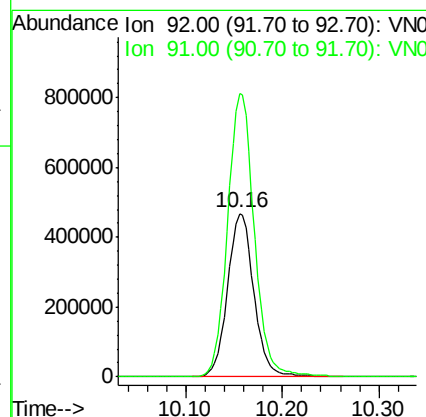
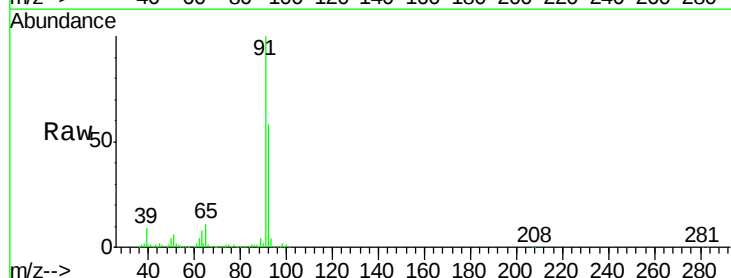
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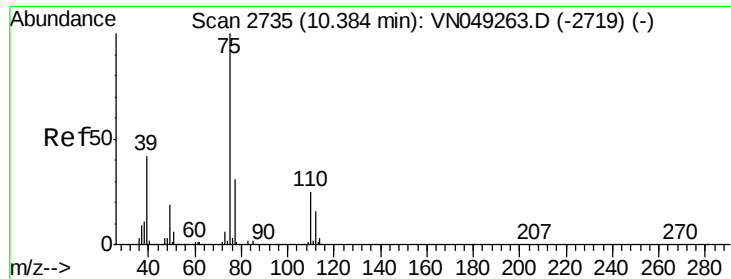
MMDadoda
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#52
Toluene
Concen: 20.27 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion: 92 Resp: 884660
Ion Ratio Lower Upper
92 100
91 175.5 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 19.33 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBSD03

Tot Ion: 75 Resp: 458872

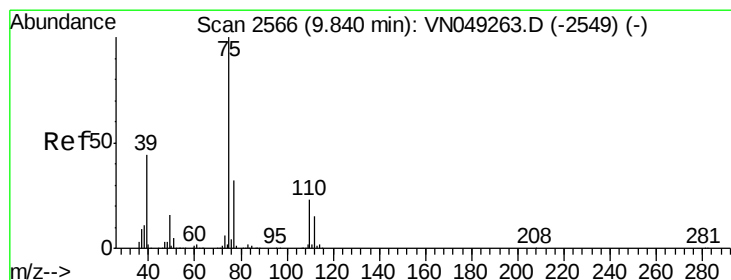
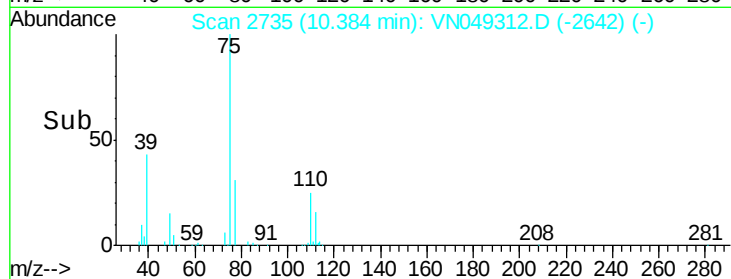
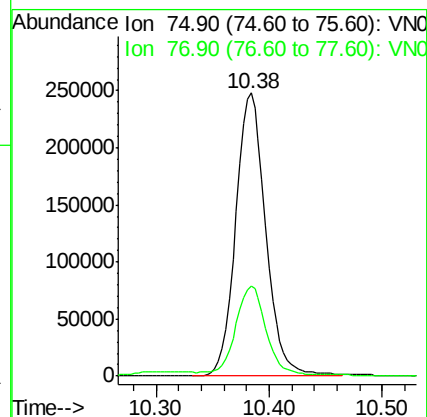
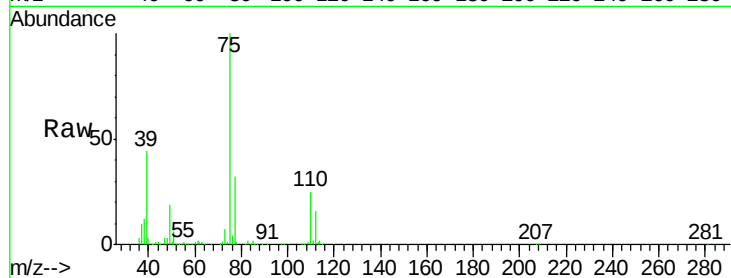
Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.44 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

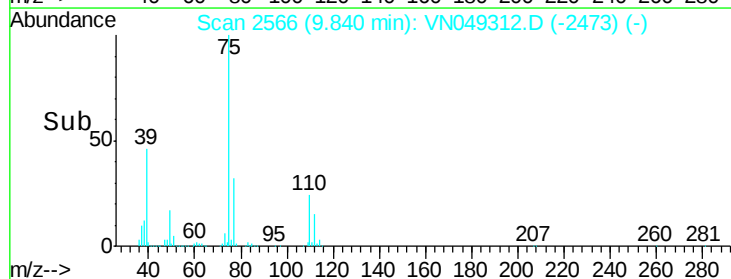
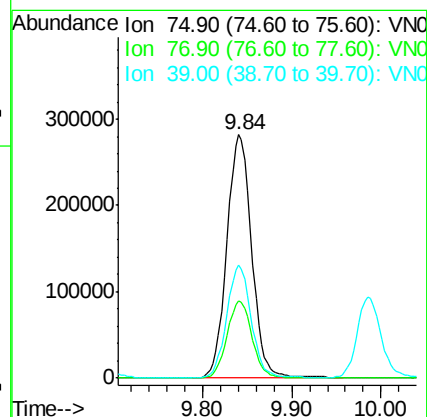
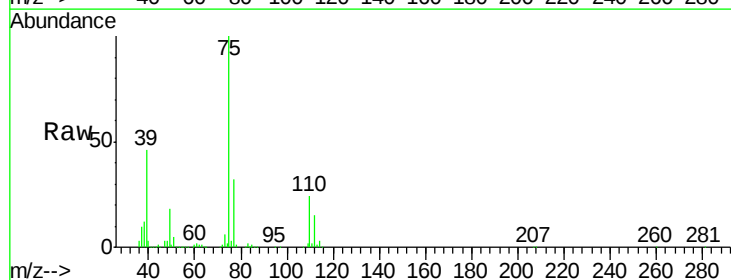
Tgt Ion: 75 Resp: 544935

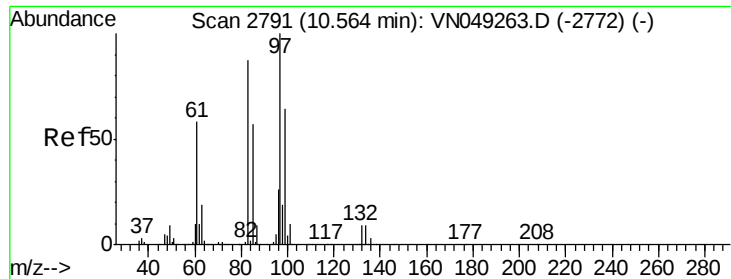
Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

39 46.3 45.1 67.7





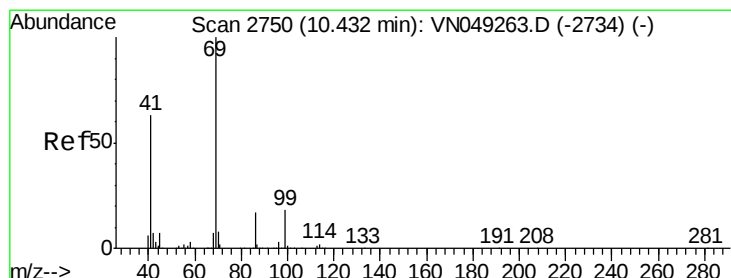
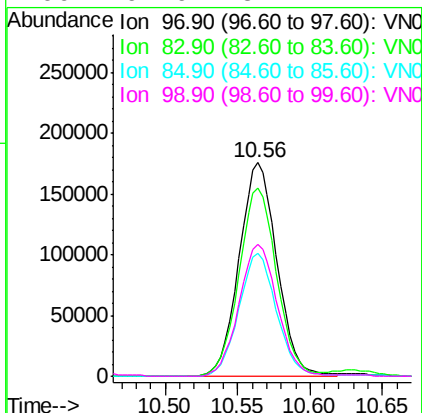
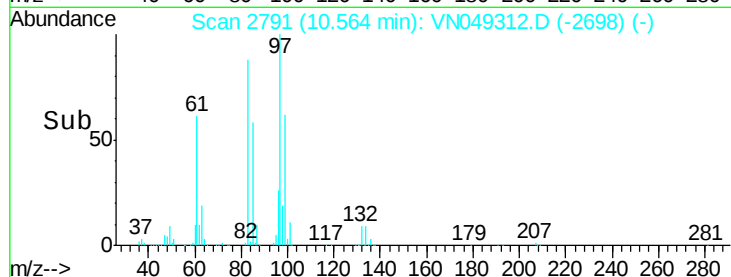
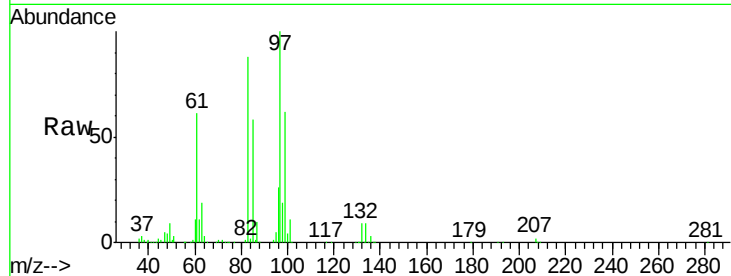
#55
 1,1,2-Trichloroethane
 Concen: 19.64 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBSD03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		319608		
83	87.8	71.5	107.3		
85	57.5	47.0	70.4		
99	61.6	51.4	77.2		

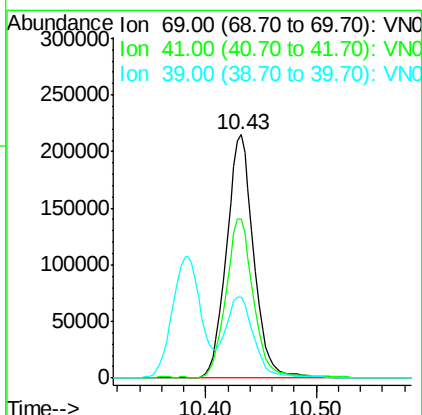
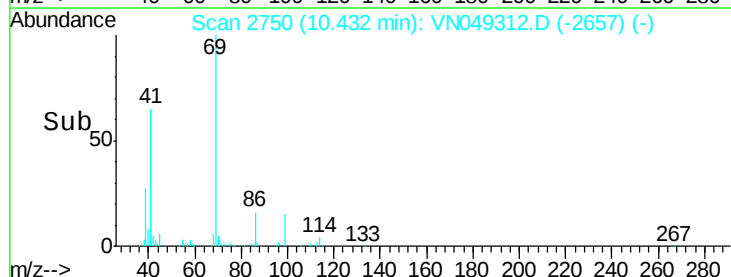
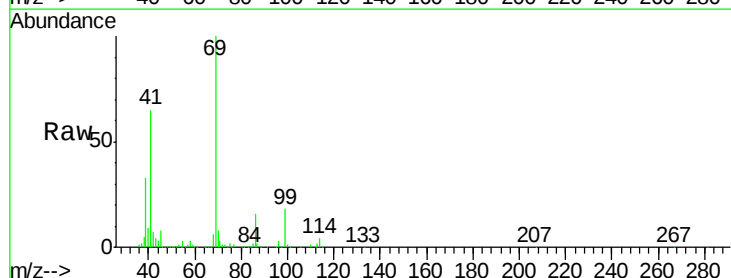
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 19.58 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		367647		
41	65.1	58.4	87.6		
39	34.4	35.5	53.3#		





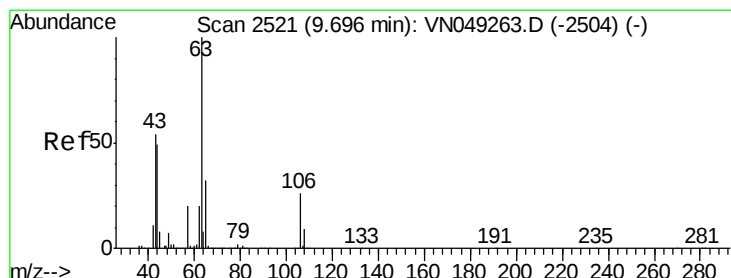
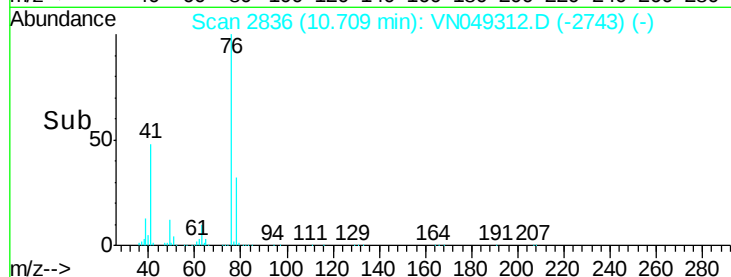
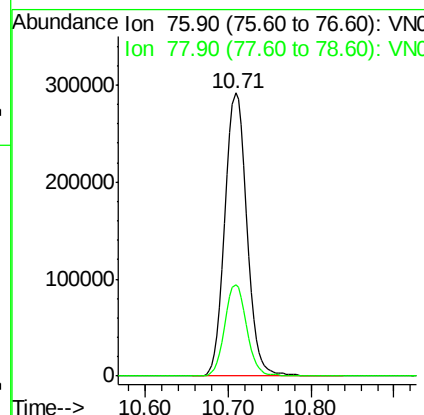
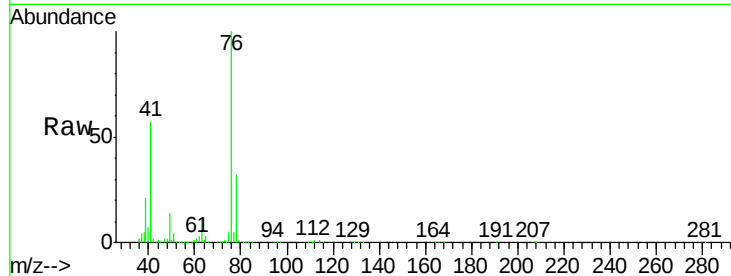
#57
 1,3-Dichloropropane
 Concen: 19.93 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBSD03

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.3	39.5

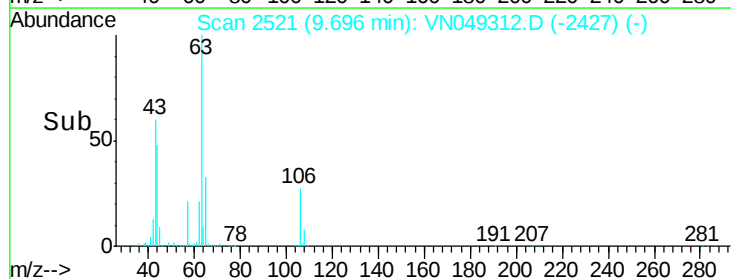
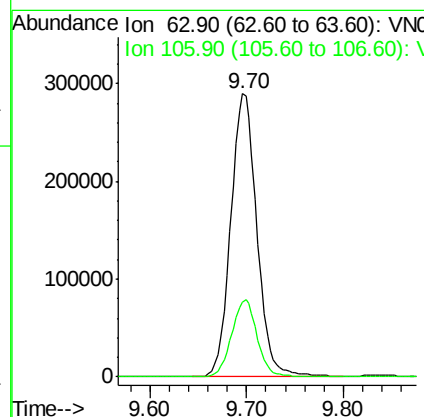
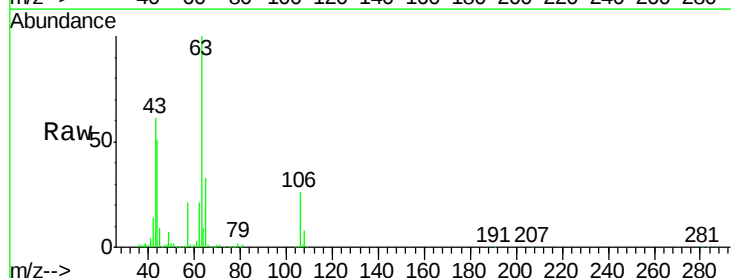
Manual Integrations
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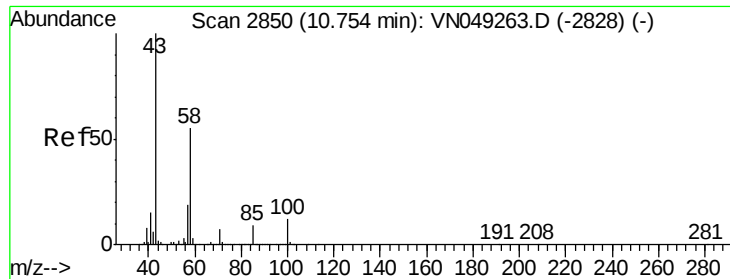
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 90.66 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	19.4	29.2





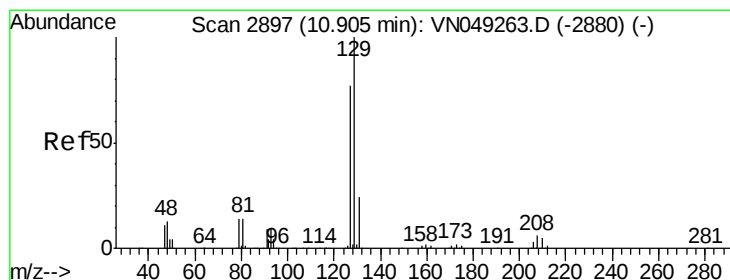
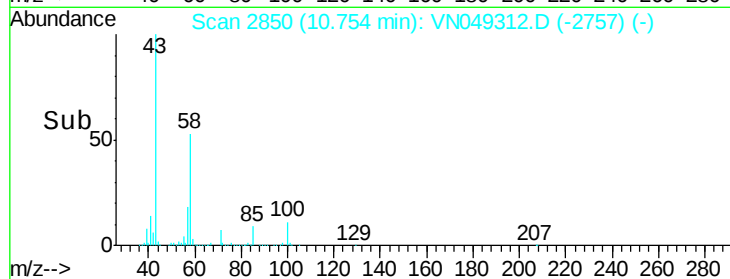
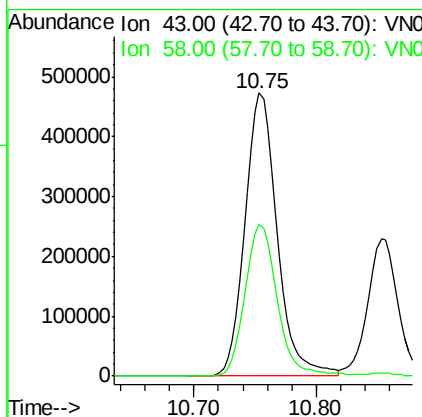
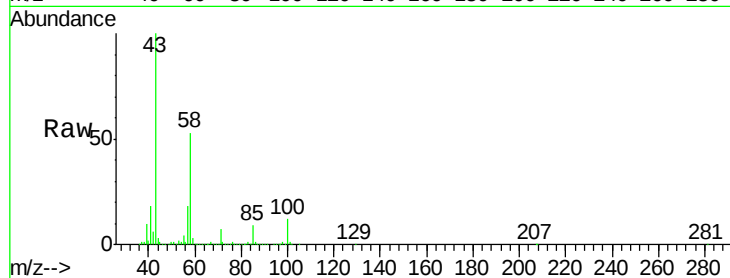
#59
2-Hexanone
Concen: 100.02 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBSD03

Tot Ion: 43 Resp: 851576
Ion Ratio Lower Upper
43 100
58 53.9 25.2 75.6

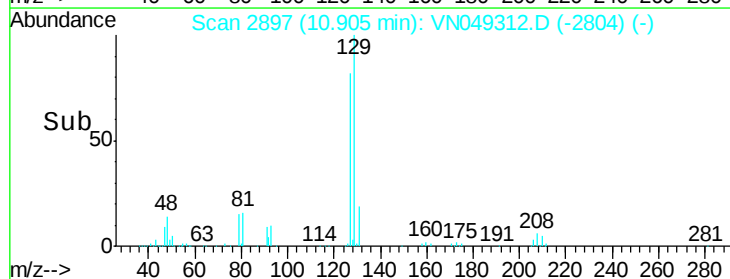
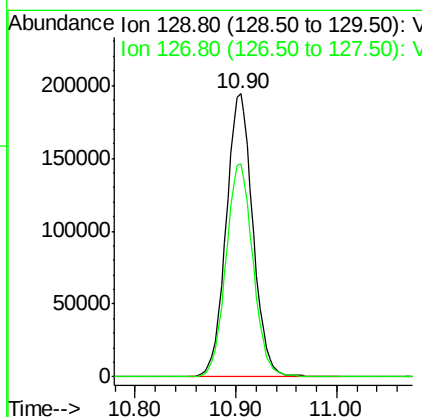
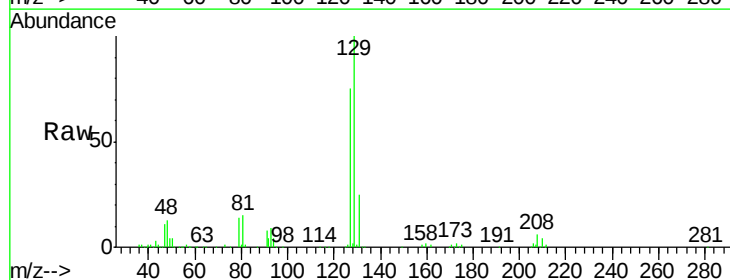
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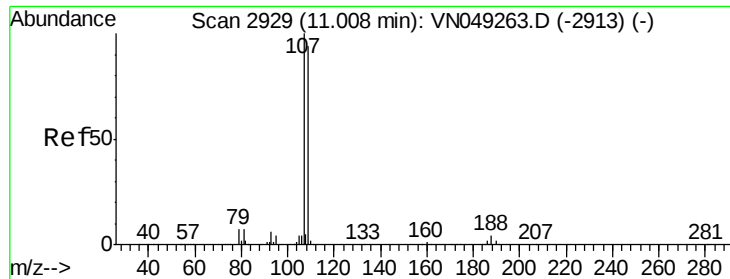
MMDadoda
6/18/2018 3:16:23 PM



#60
Dibromochloromethane
Concen: 19.75 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion: 129 Resp: 358674
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.68 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBSD03

Tot Ion:107 Resp: 297621

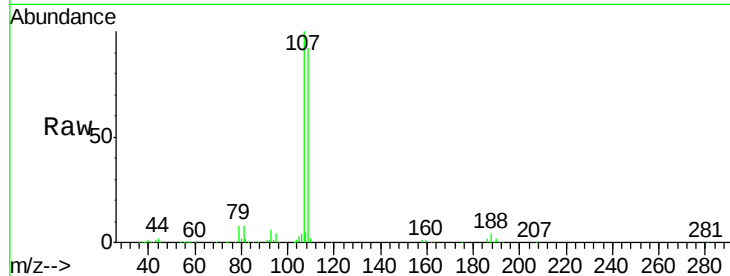
Ion Ratio Lower Upper

107 100

109 94.8 75.4 113.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

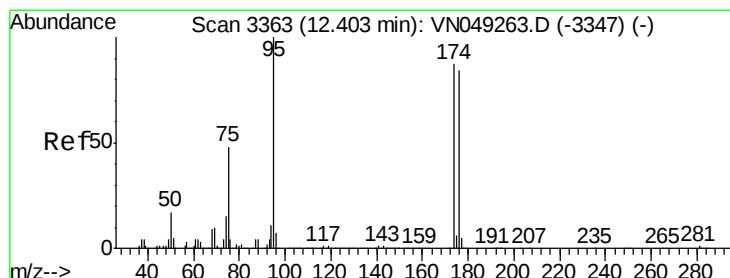
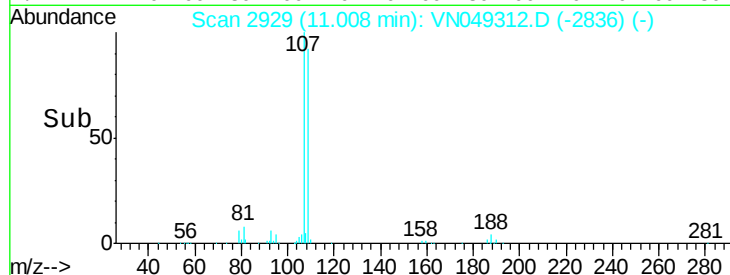
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 47.12 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

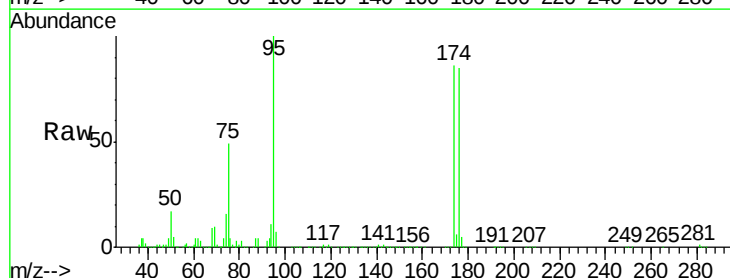
Tgt Ion: 95 Resp: 1015867

Ion Ratio Lower Upper

95 100

174 87.4 0.0 165.6

176 85.4 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

800000

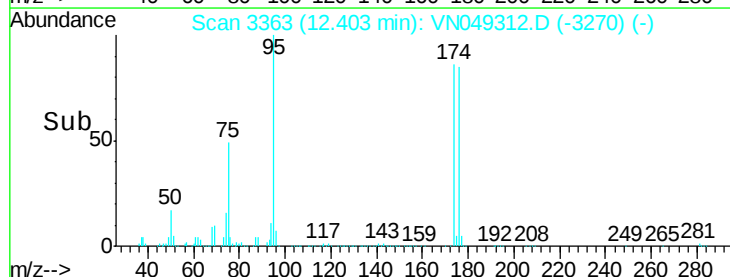
600000

400000

200000

0

Time--> 12.30 12.40 12.50





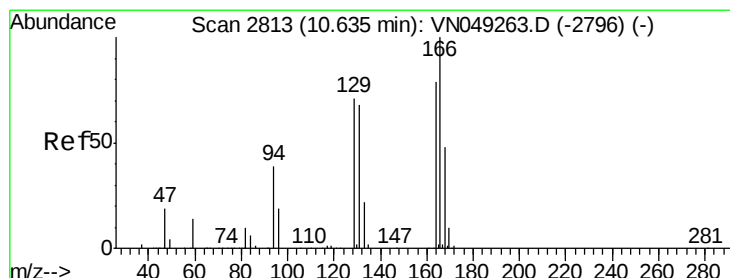
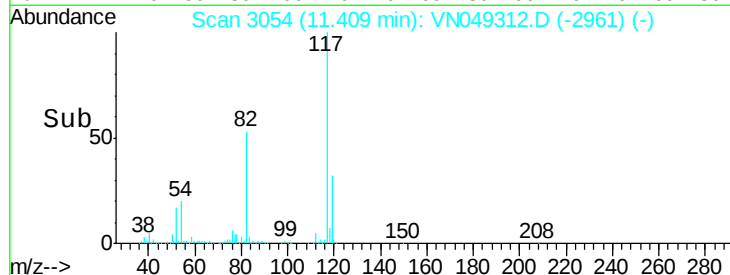
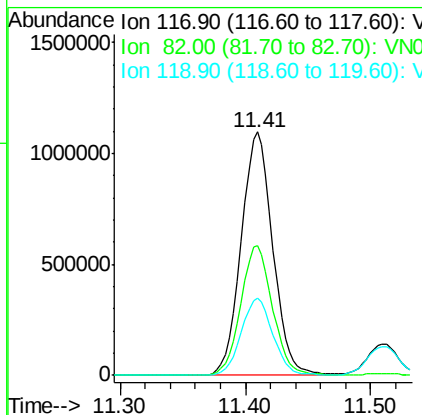
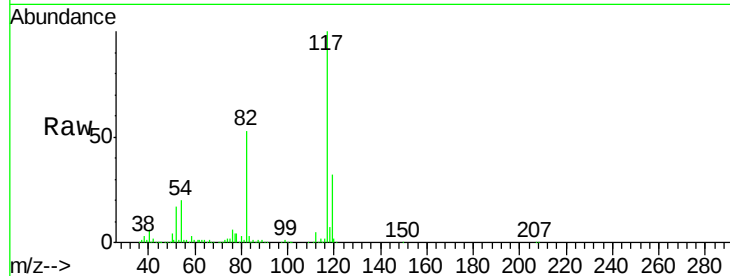
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBSD03

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	45.9	68.9
119	31.6	25.5	38.3

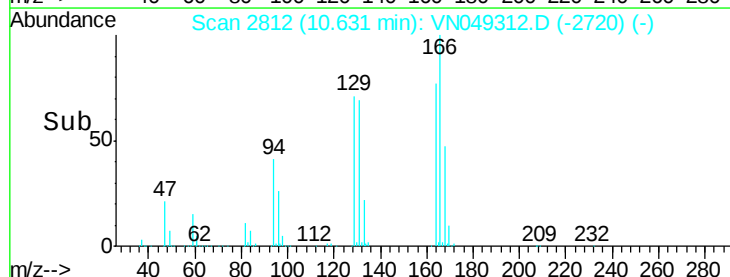
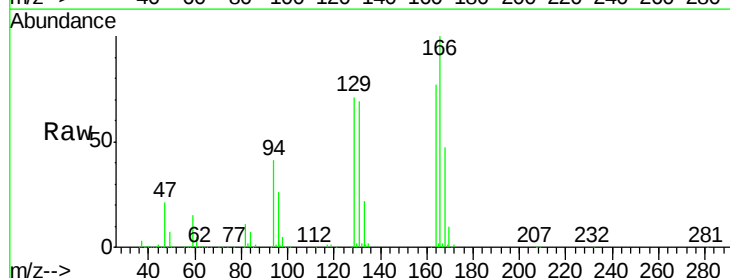
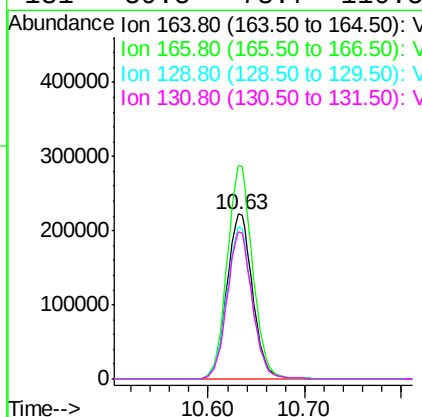
Manual Integrations
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#64
Tetrachloroethene
Concen: 20.68 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	101.4	152.2
129	92.3	74.1	111.1
131	89.5	73.7	110.5





#65

Chlorobenzene

Concen: 19.14 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBSD03

Tot Ion:112 Resp: 948207

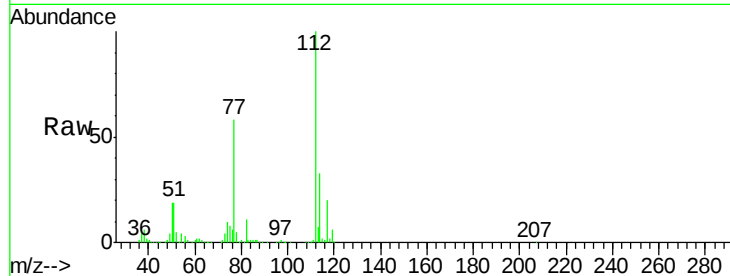
Ion Ratio Lower Upper

112 100

114 33.0 26.2 39.4

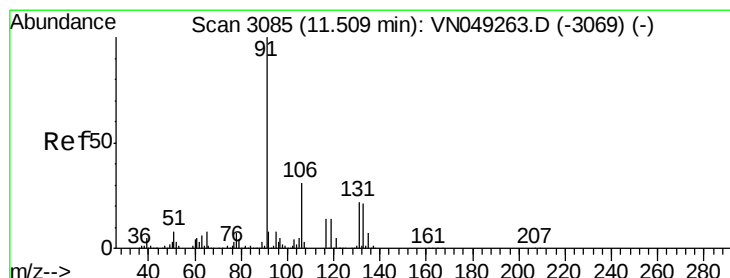
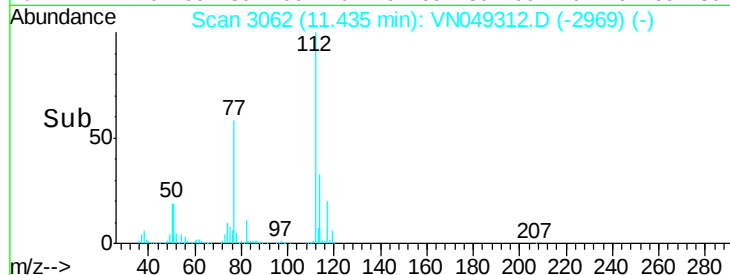
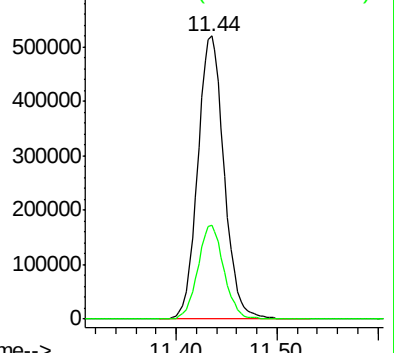
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.16 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

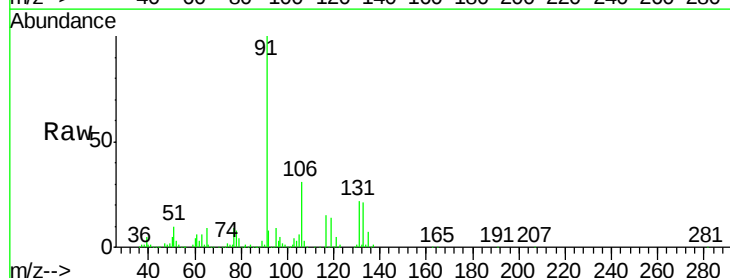
Tgt Ion:131 Resp: 357241

Ion Ratio Lower Upper

131 100

133 95.9 48.0 144.2

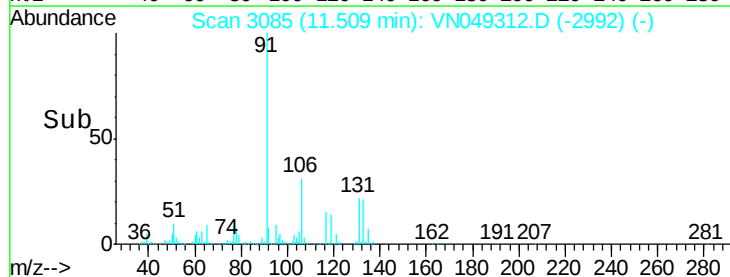
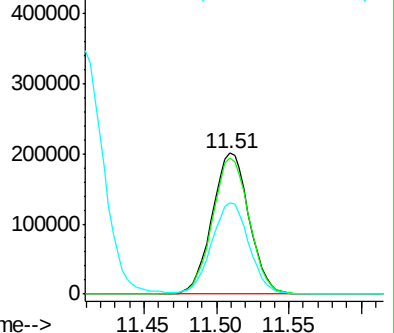
119 65.6 33.6 100.8

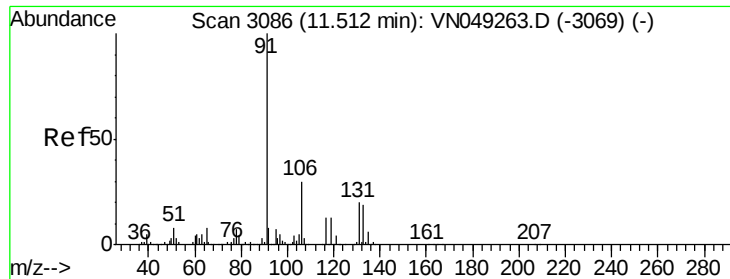


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.65 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBSD03

Tot Ion: 91 Resp: 1614503

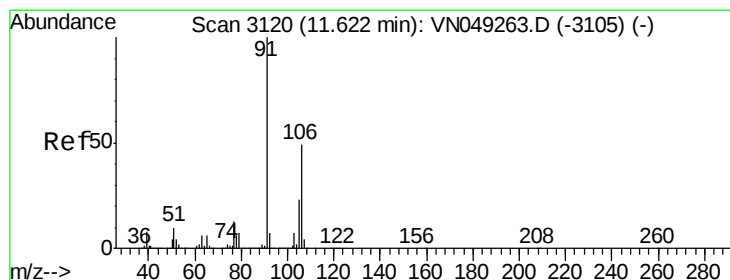
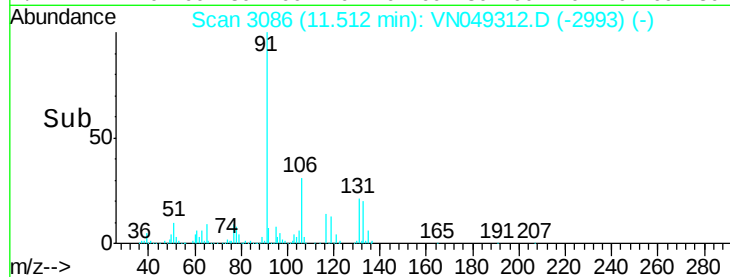
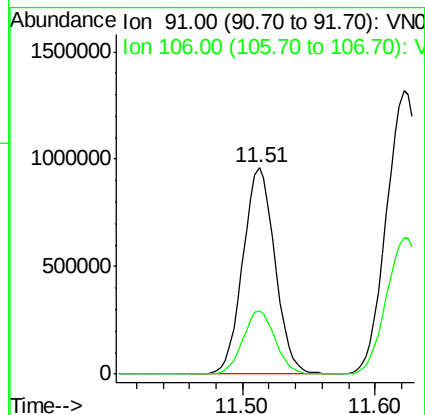
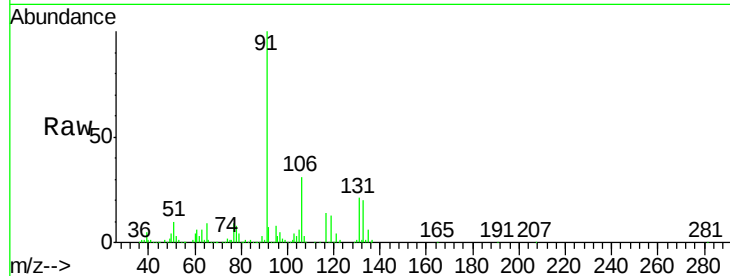
Ion Ratio Lower Upper

91 100

106 30.8 23.9 35.9

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#68

m/p-Xylenes

Concen: 40.20 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049312.D

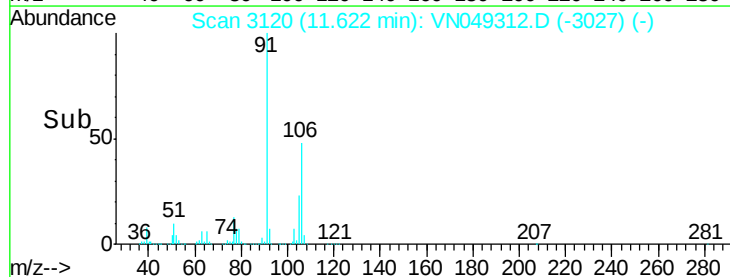
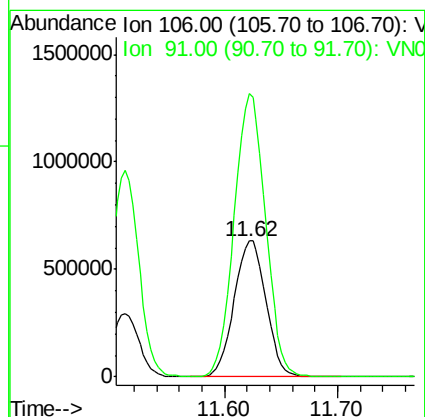
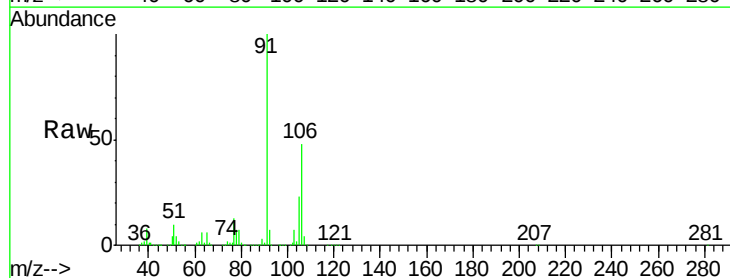
Acq: 16 Jun 2018 16:22

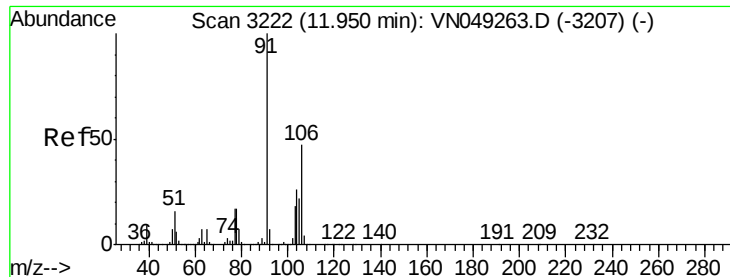
Tgt Ion: 106 Resp: 1239704

Ion Ratio Lower Upper

106 100

91 205.0 167.3 250.9





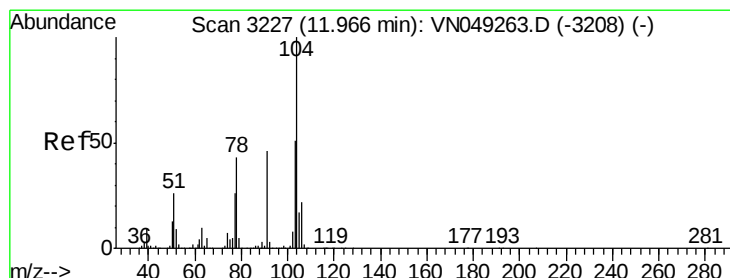
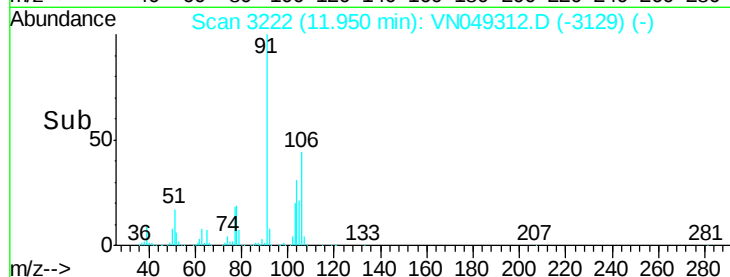
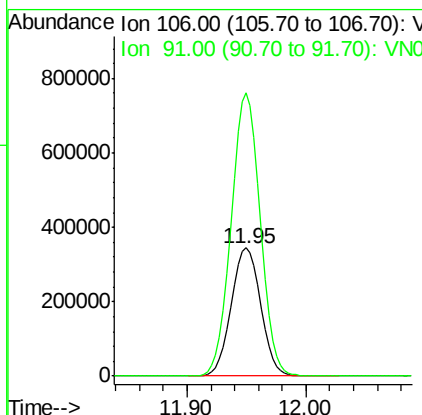
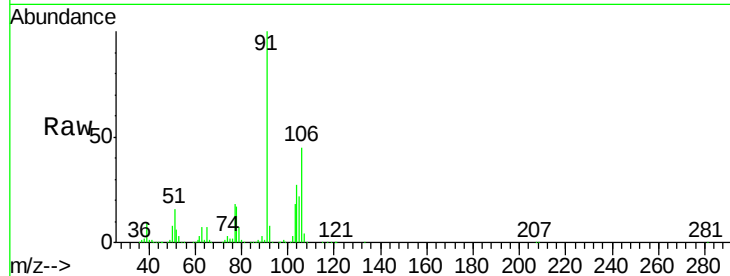
#69
o-Xylene
Concen: 19.97 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Instrument :
MSVOA_N
ClientSampled :
VN0616WBSD03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	593233		
91	91	216.6	111.0	333.0	

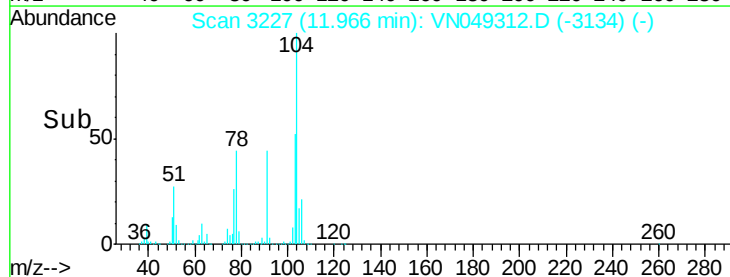
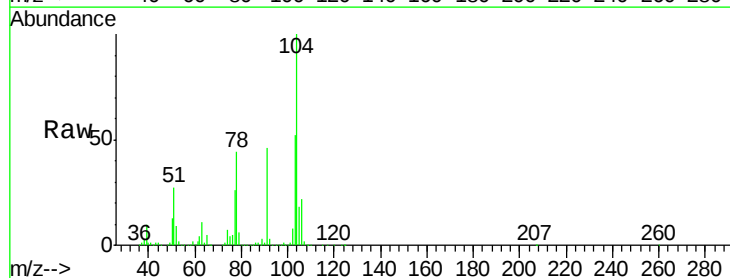
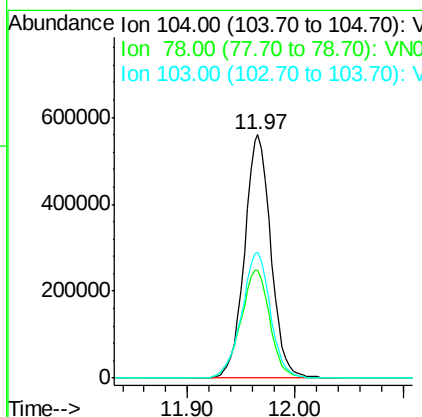
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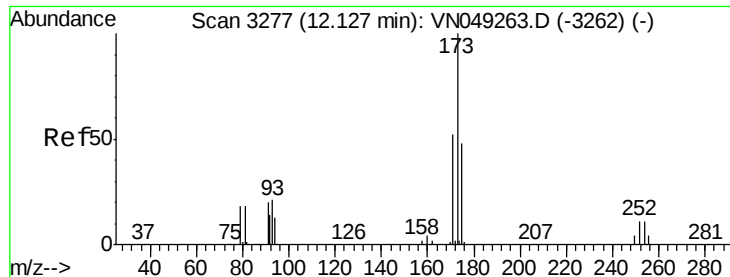
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#70
Styrene
Concen: 20.21 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	946960		
78	78	49.4	41.6	62.4	
103	103	56.3	45.4	68.2	





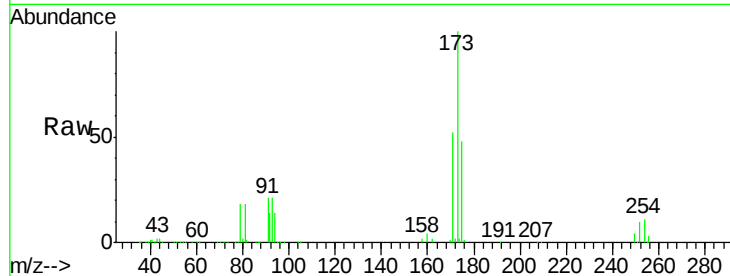
#71
Bromoform
Concen: 19.35 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBSD03

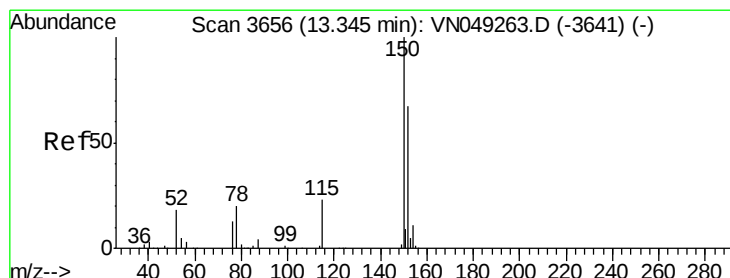
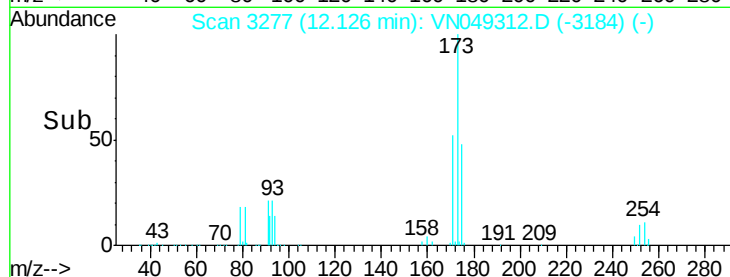
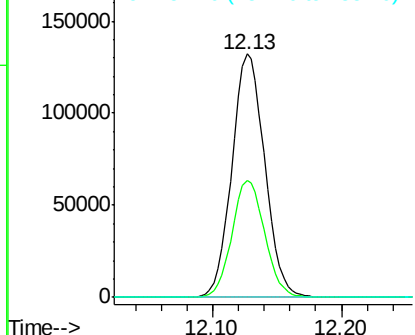
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.5	73.5
254	0.1	0.1	0.1

Manual Integrations
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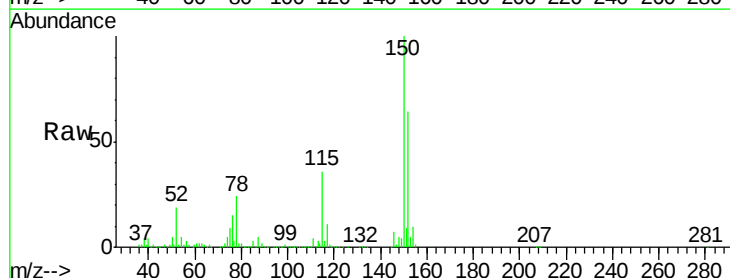


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

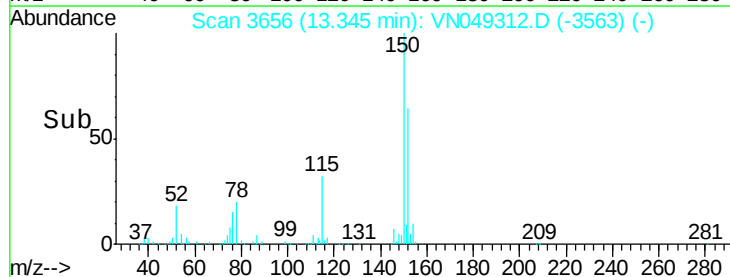
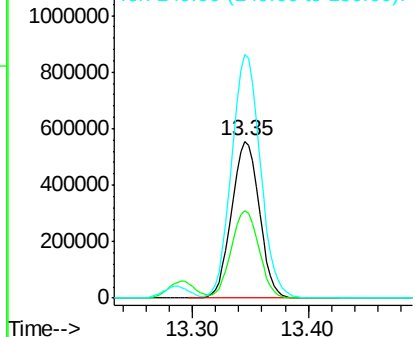


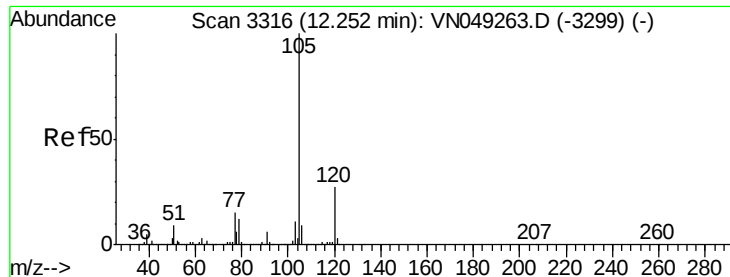
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.7	86.1
150	162.0	0.0	351.0



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





#73

Isopropylbenzene

Concen: 19.90 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBSD03

Tot Ion:105 Resp: 1591629

Ion Ratio Lower Upper

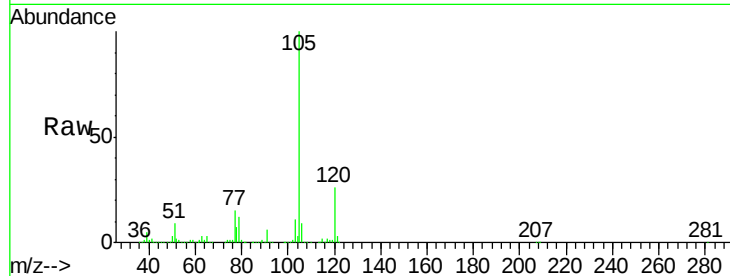
105 100

120 26.5 12.8 38.3

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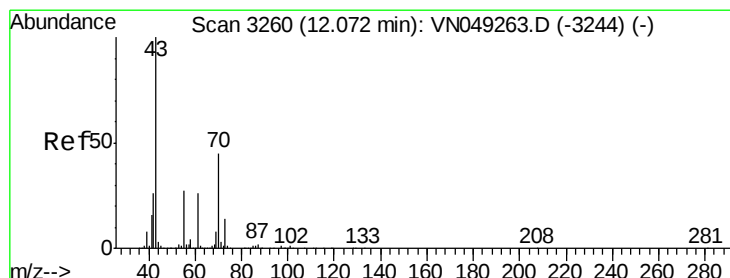
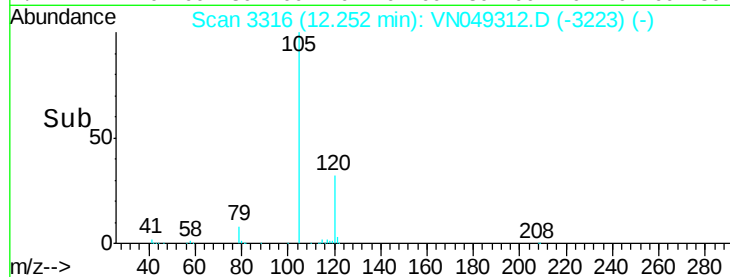
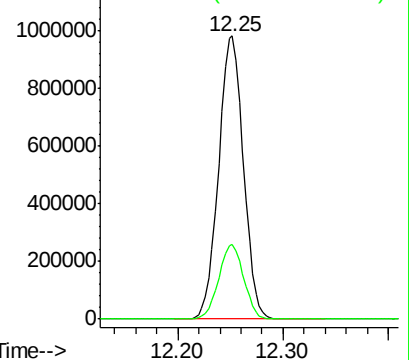
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.35 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Tgt Ion: 43 Resp: 359557

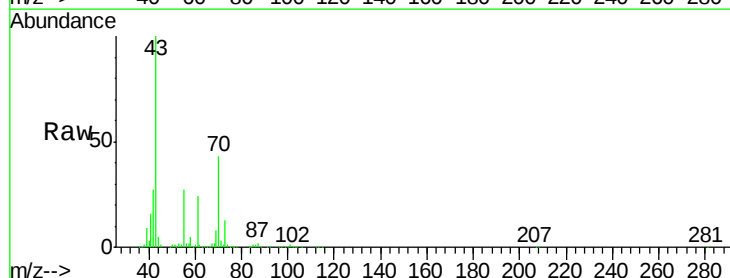
Ion Ratio Lower Upper

43 100

70 43.6 30.3 45.5

55 27.1 19.4 29.2

61 24.0 17.8 26.6

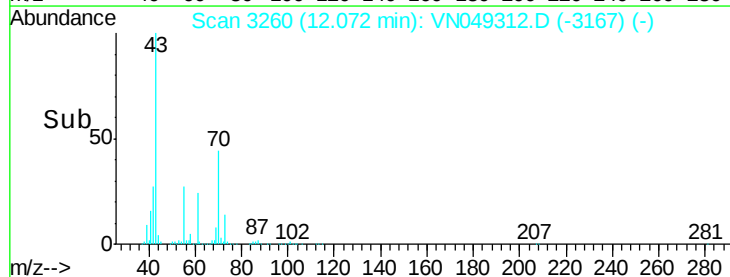
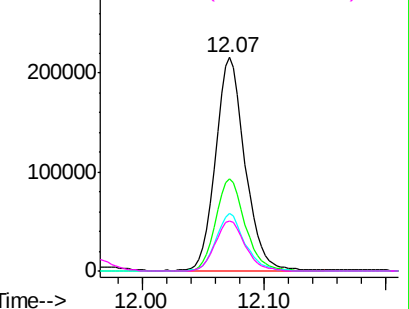


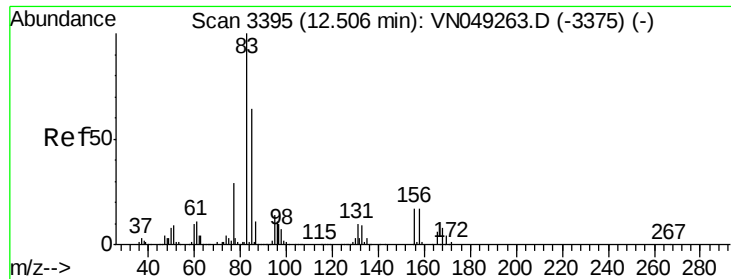
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.07 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

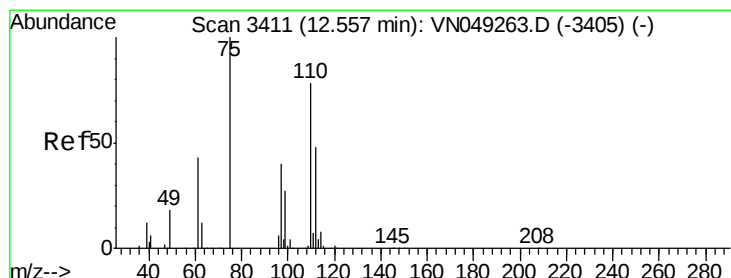
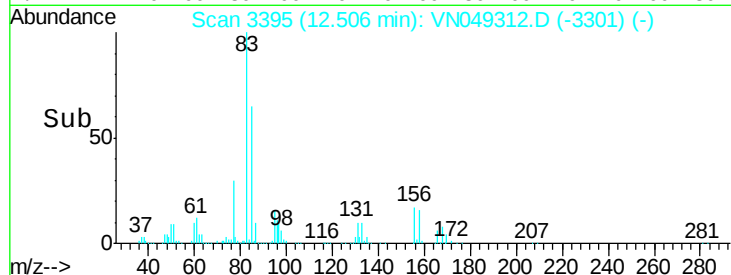
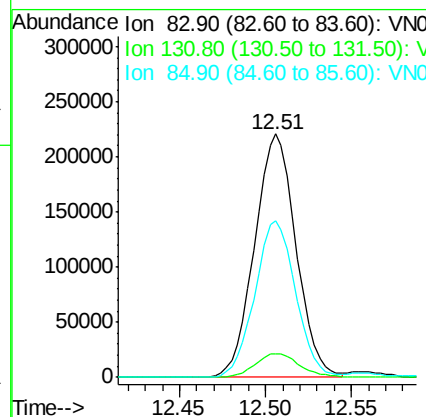
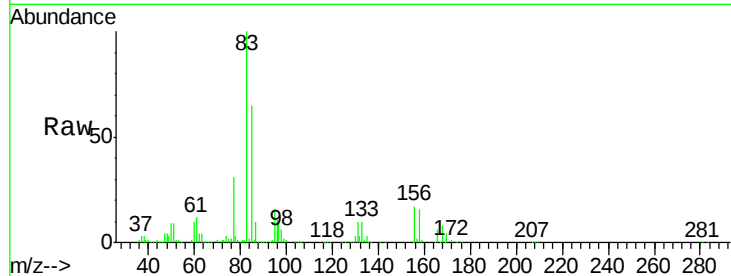
ClientSampleId :

VN0616WBSD03

Tot Ion:	83	Resp:	367982
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	15.0
85	63.4	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.15 ug/l m

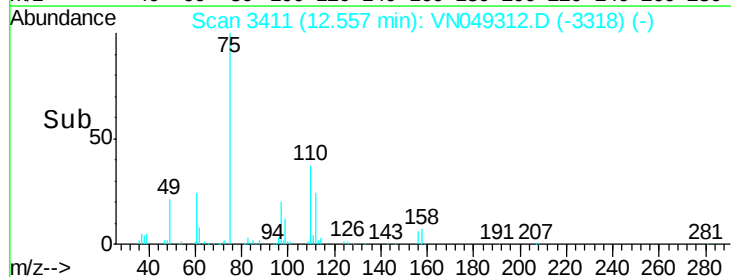
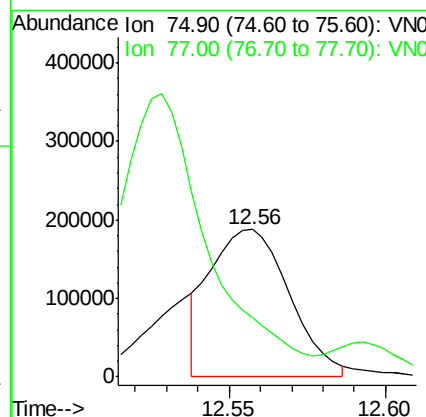
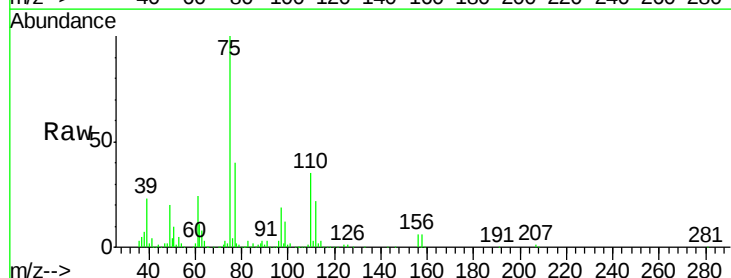
RT: 12.56 min Scan# 3411

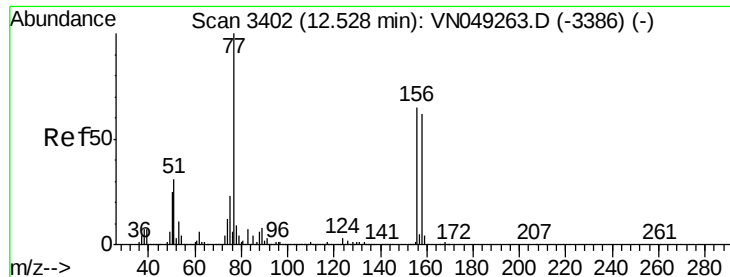
Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Tgt Ion:	75	Resp:	328709
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.94 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

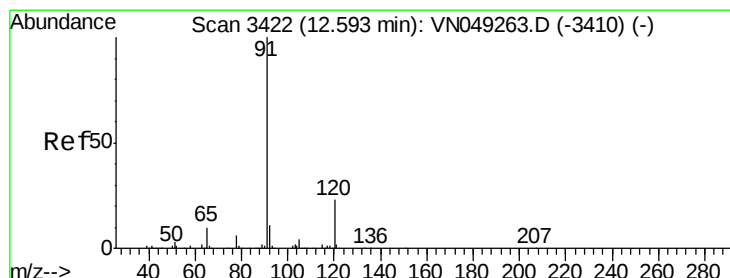
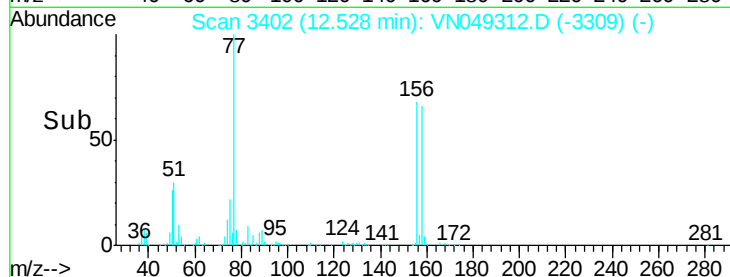
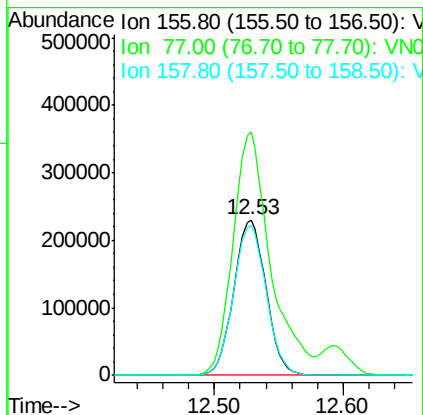
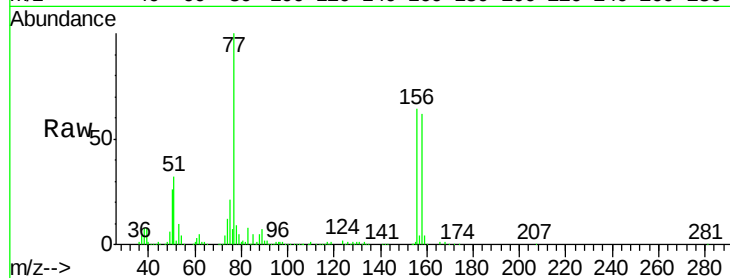
ClientSampleId :

VN0616WBSD03

Tot Ion:	156	Resp:	400199
Ion Ratio	Lower	Upper	
156	100		
77	182.4	100.8	302.4
158	98.1	49.3	147.9

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#78

n-propylbenzene

Concen: 20.25 ug/l

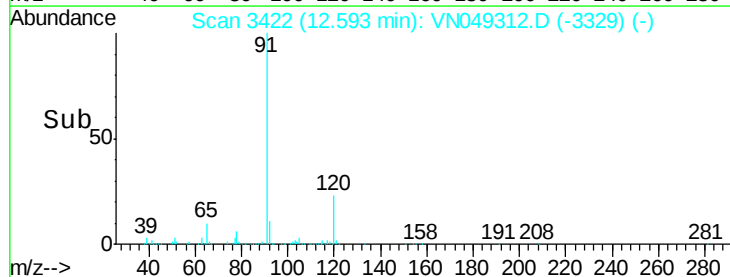
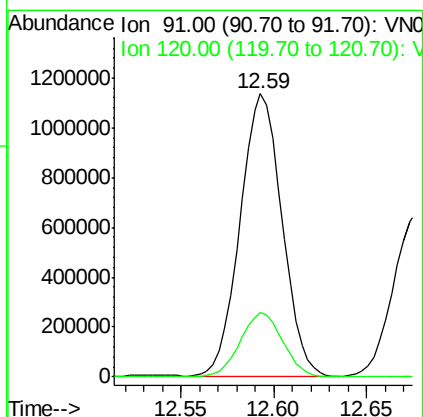
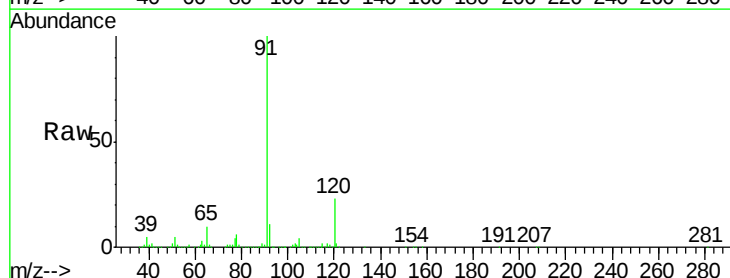
RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Tgt Ion:	91	Resp:	1778637
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.76 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBSD03

Tot Ion: 91 Resp: 1099800

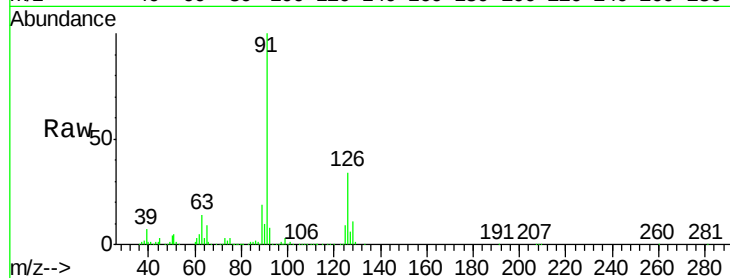
Ion Ratio Lower Upper

91 100

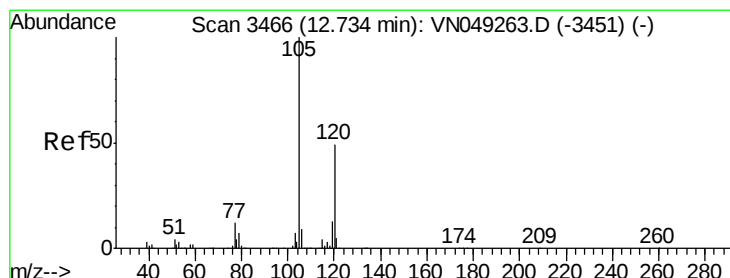
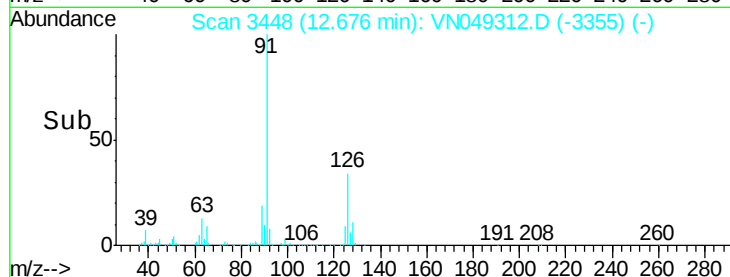
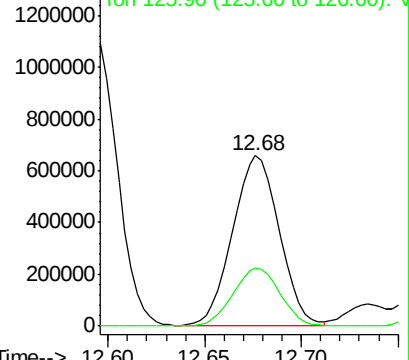
126 34.7 16.6 49.8

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Abundance Ion 91.00 (90.70 to 91.70): VN049312.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.62 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049312.D

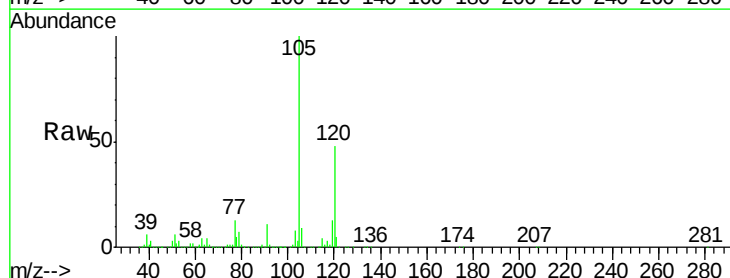
Acq: 16 Jun 2018 16:22

Tgt Ion: 105 Resp: 1296496

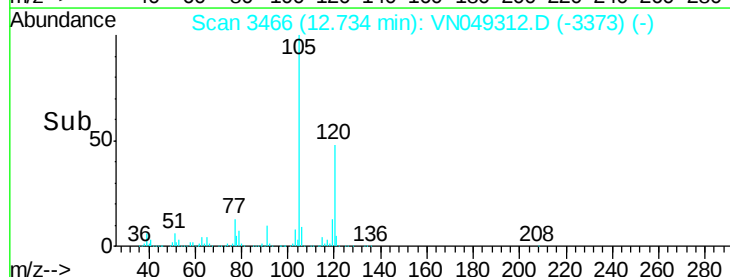
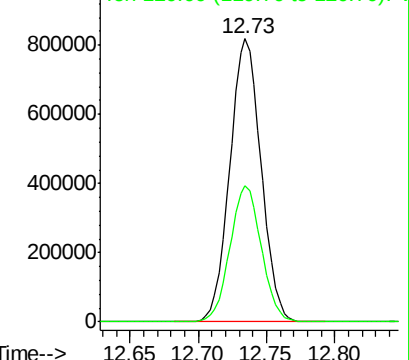
Ion Ratio Lower Upper

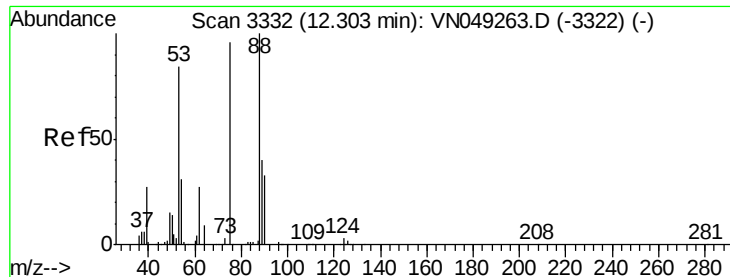
105 100

120 48.2 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049312.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.34 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

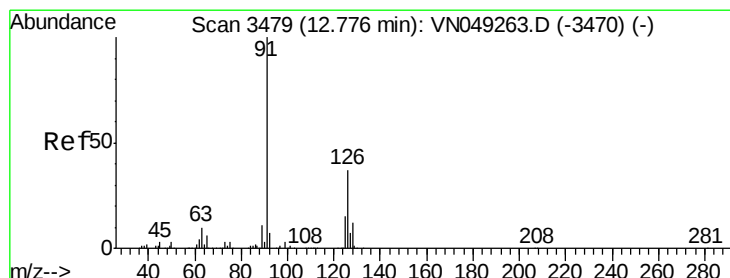
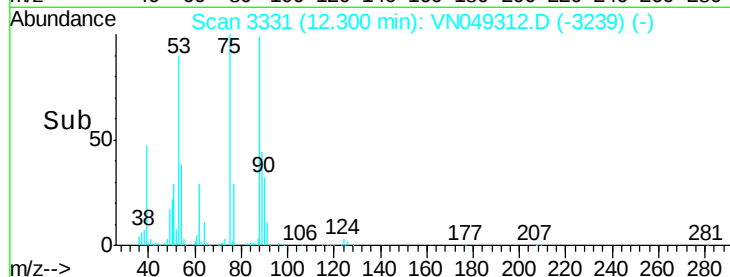
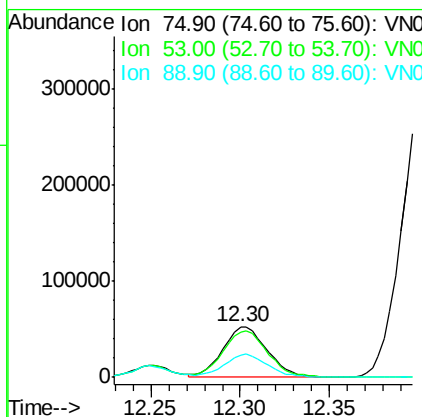
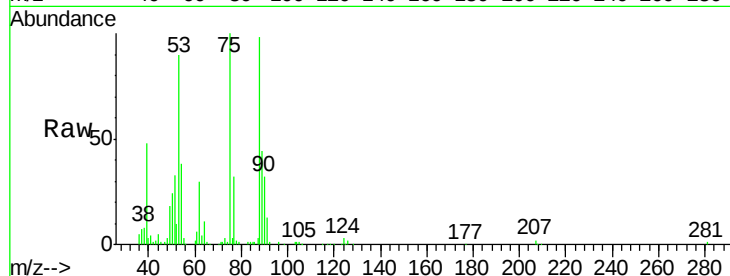
ClientSampleId :

VN0616WBSD03

Tot Ion:	75	Resp:	90197
Ion	Ratio	Lower	Upper
75	100		
53	93.5	82.7	124.1
89	45.6	36.5	54.7

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#82

4-Chlorotoluene

Concen: 19.99 ug/l

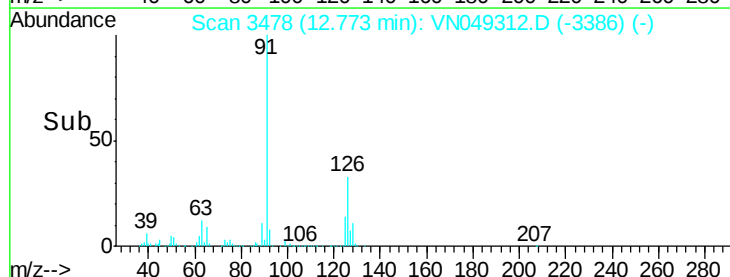
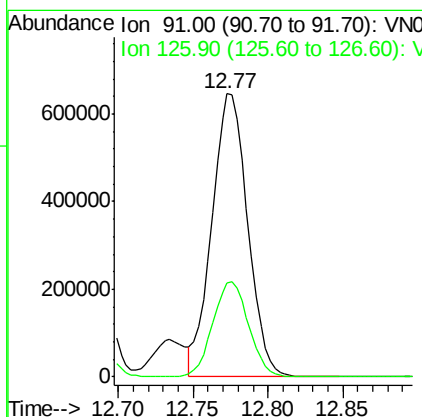
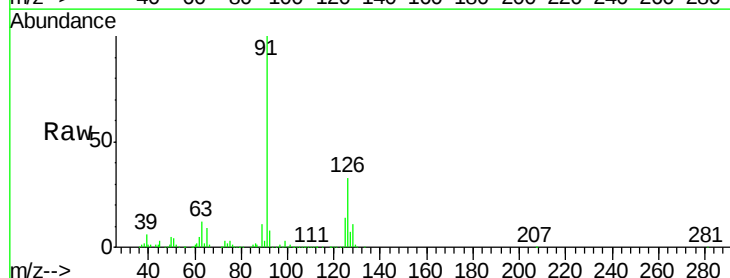
RT: 12.77 min Scan# 3478

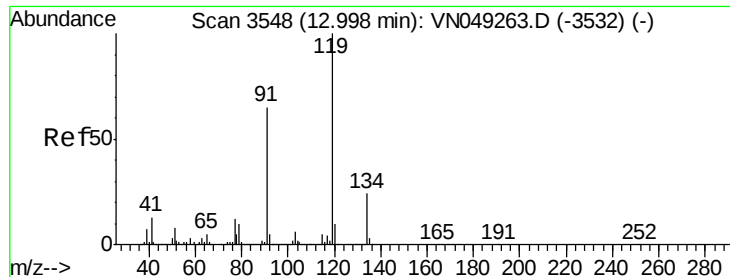
Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Tgt Ion:	91	Resp:	1073379
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.4	49.1





#83

tert-Butylbenzene

Concen: 19.80 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBSD03

Tot Ion:119 Resp: 1103043

Ion Ratio Lower Upper

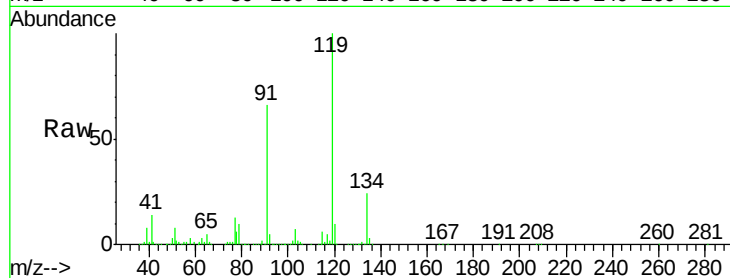
119 100

91 64.1 33.7 101.0

134 24.4 12.9 38.6

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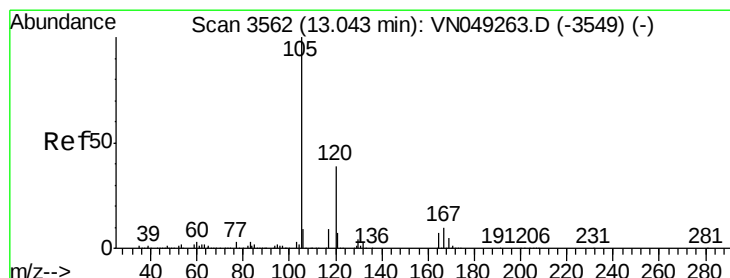
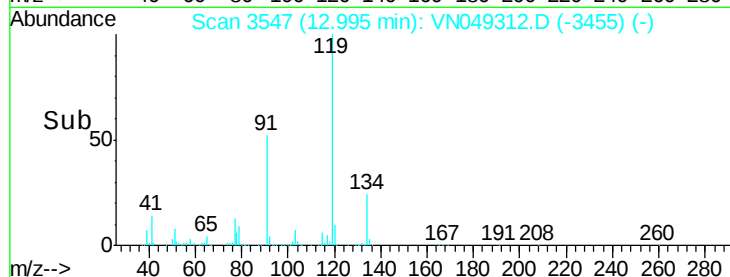
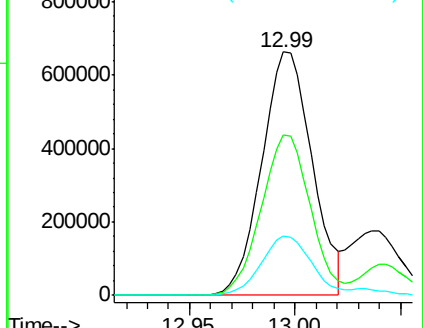
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.80 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.00 min

Lab File: VN049312.D

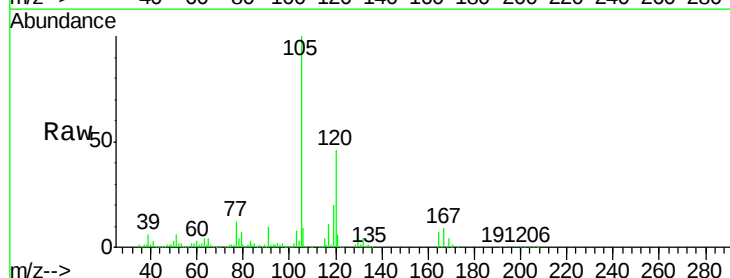
Acq: 16 Jun 2018 16:22

Tgt Ion:105 Resp: 1299003

Ion Ratio Lower Upper

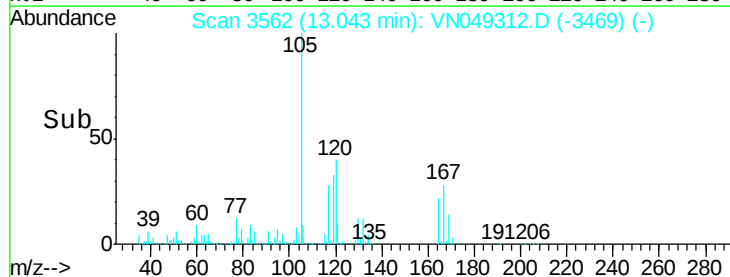
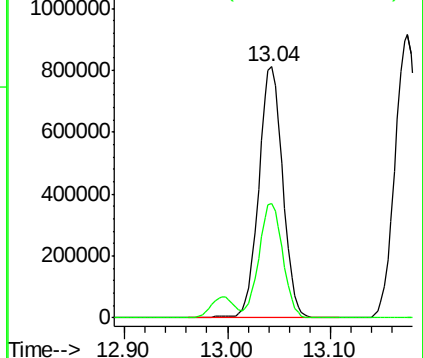
105 100

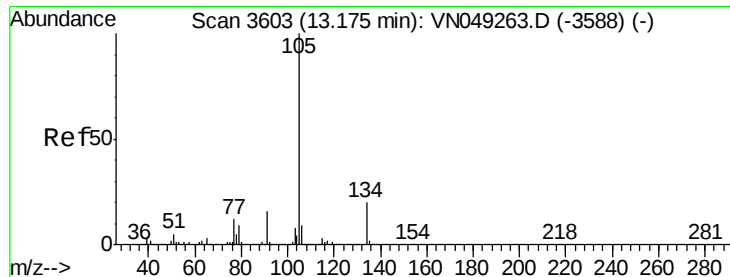
120 45.3 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.82 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBSD03

Tot Ion:105 Resp: 1469275

Ion Ratio Lower Upper

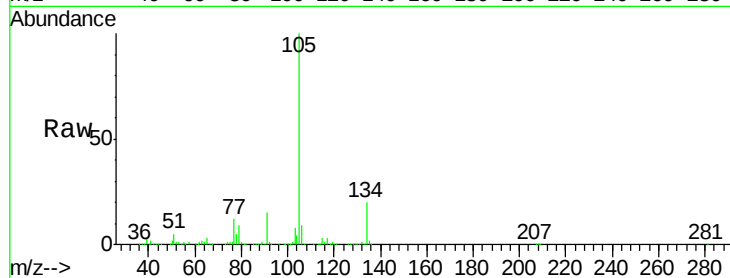
105 100

134 20.2 9.8 29.3

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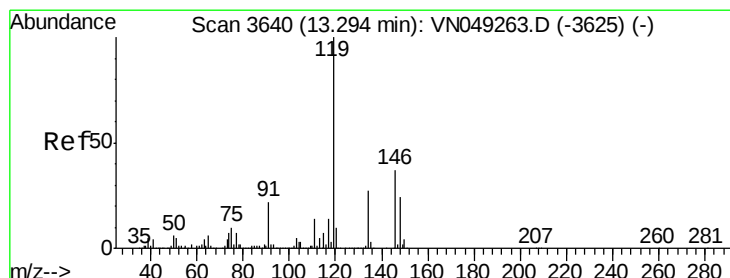
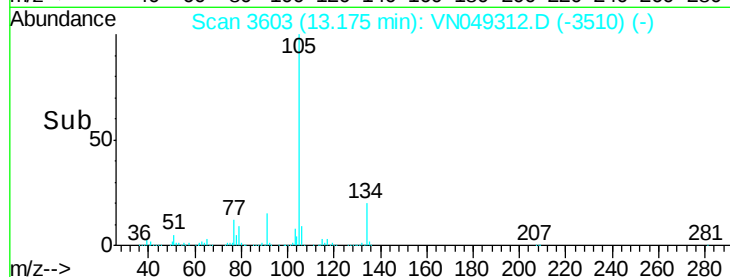
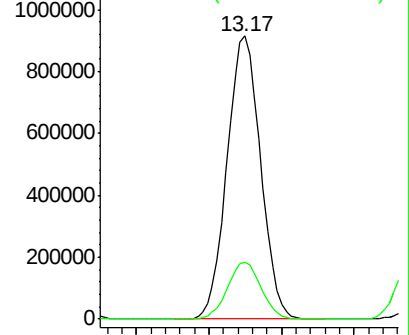
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.12 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

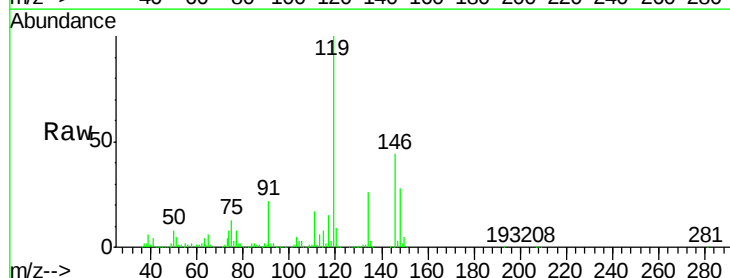
Tgt Ion:119 Resp: 1246201

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.6

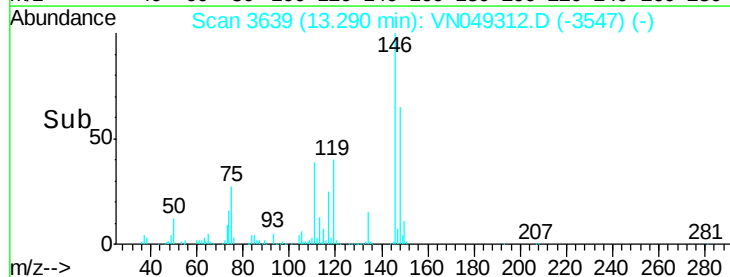
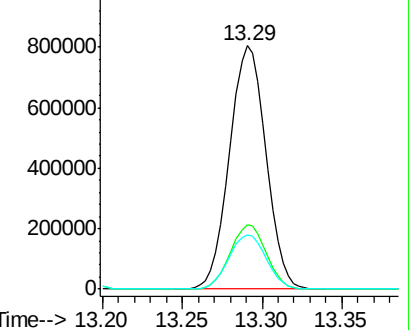
91 22.8 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





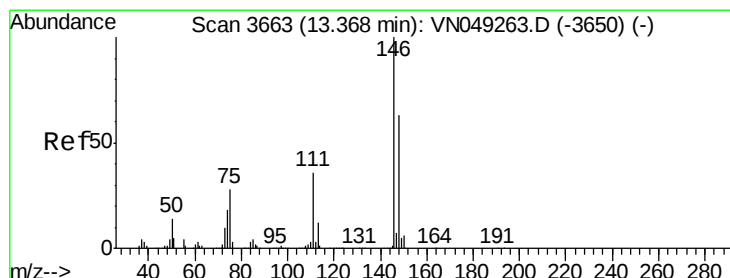
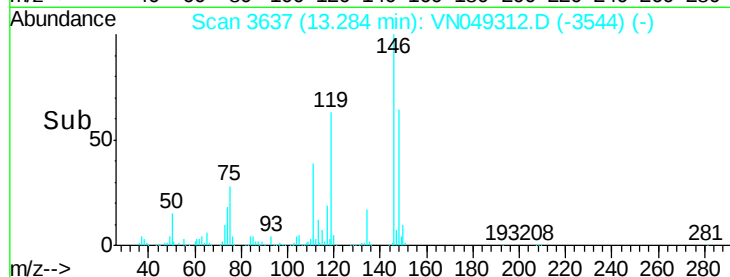
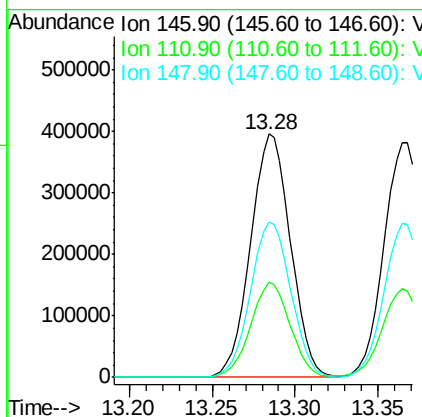
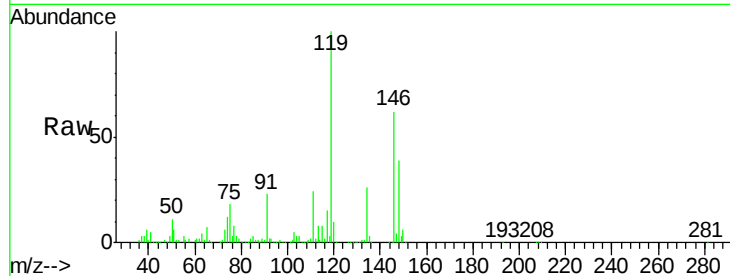
#87
 1,3-Dichlorobenzene
 Concen: 19.02 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBSD03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.9	59.6
148	64.6	32.1	96.5

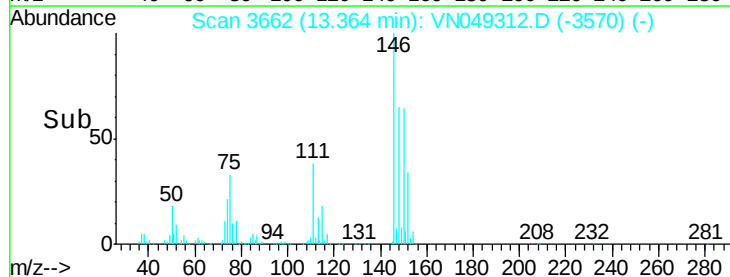
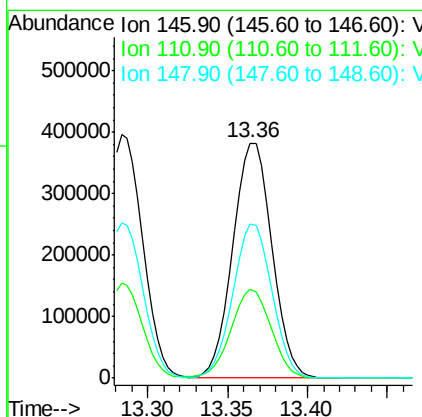
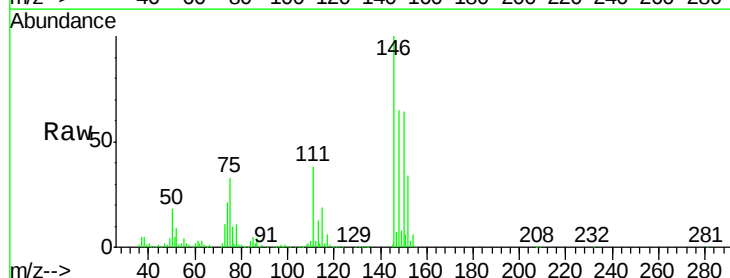
Manual Integrations
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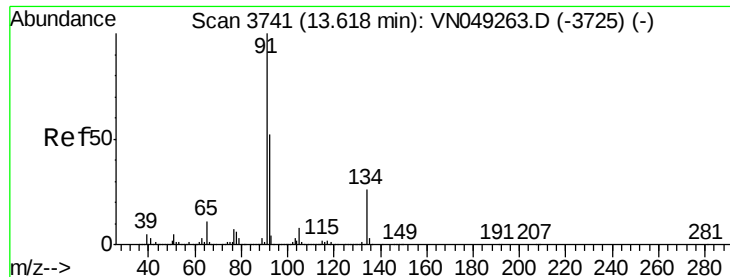
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#88
 1,4-Dichlorobenzene
 Concen: 18.50 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	65.3	32.0	96.2





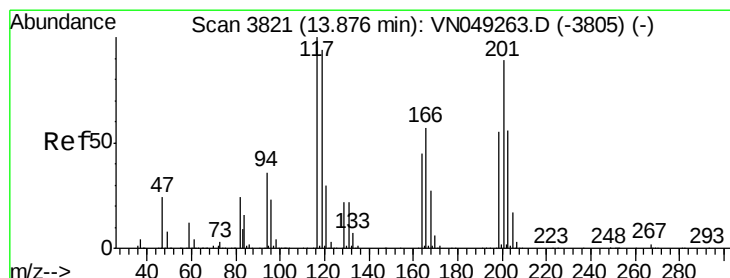
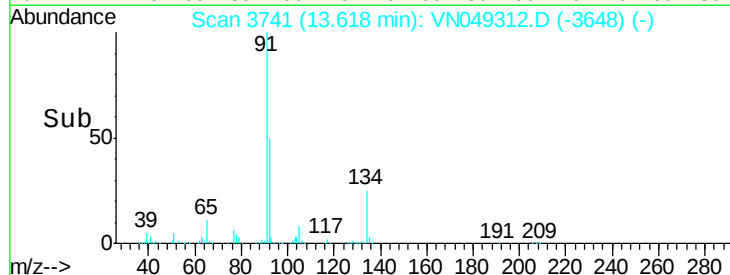
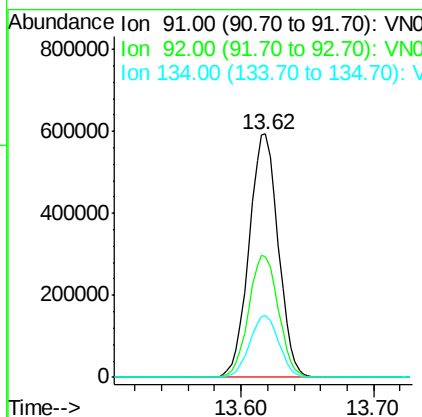
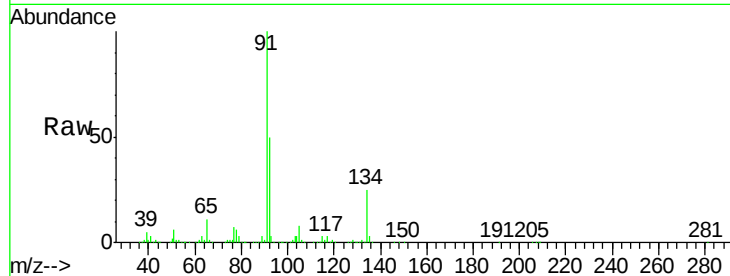
#89
n-Butylbenzene
Concen: 18.76 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. -0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBSD03

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.1	75.4
134	25.5	12.0	36.0

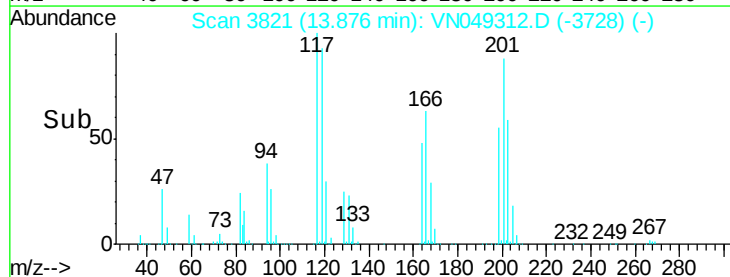
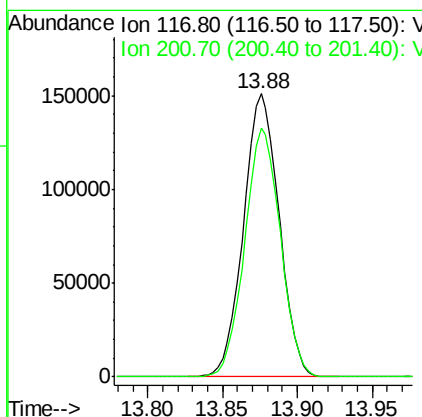
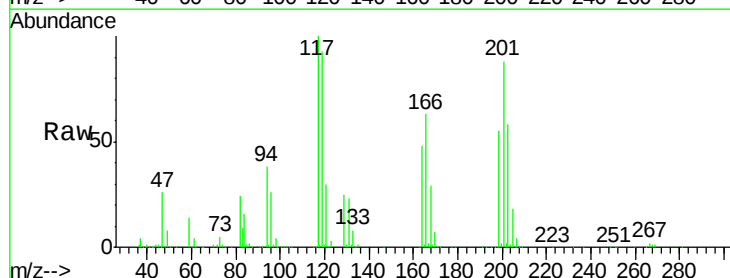
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#90
Hexachloroethane
Concen: 20.38 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049312.D
Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.8	40.1	120.2





#91

1,2-Dichlorobenzene

Concen: 19.14 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

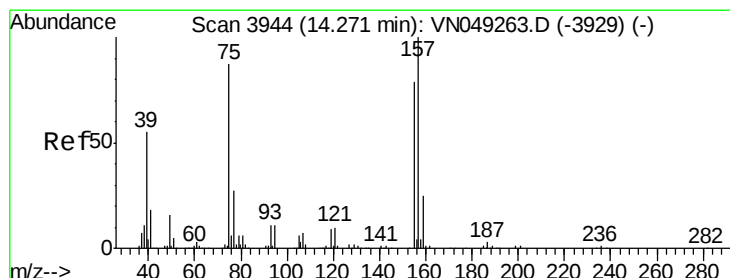
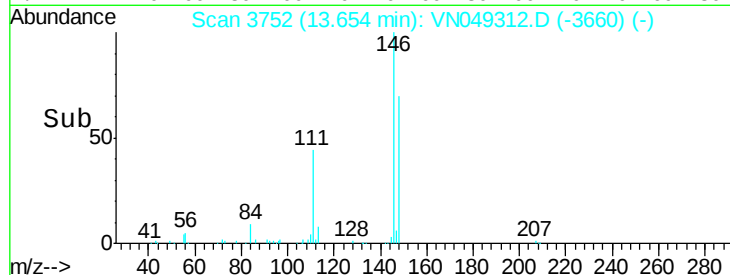
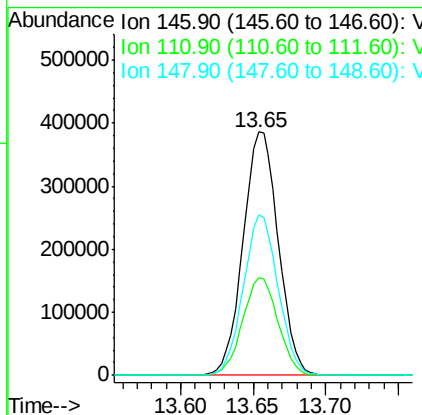
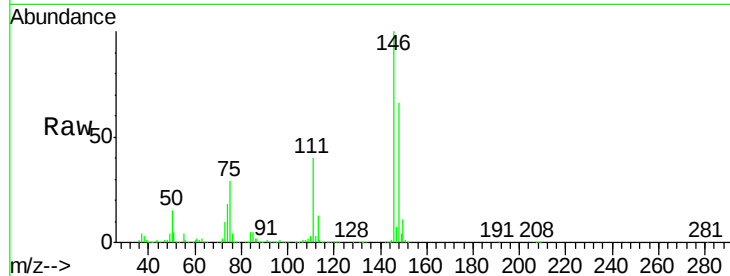
ClientSampleId :

VN0616WBSD03

Tot Ion:	146	Resp:	652457
Ion Ratio		Lower	Upper
146	100		
111	40.3	20.8	62.2
148	65.0	32.0	96.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.66 ug/l

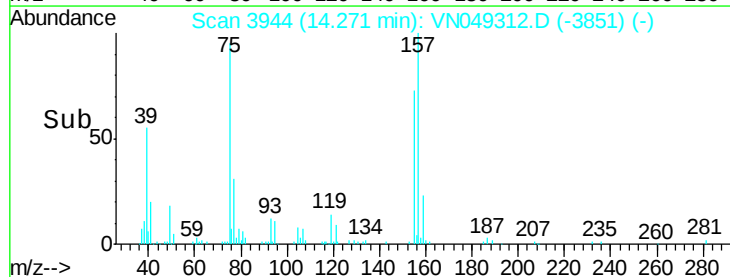
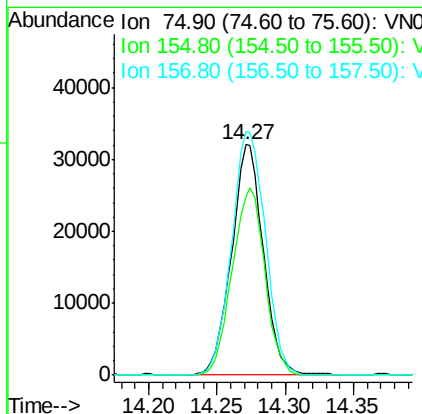
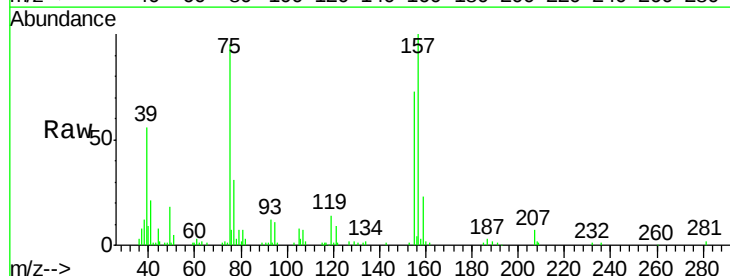
RT: 14.27 min Scan# 3944

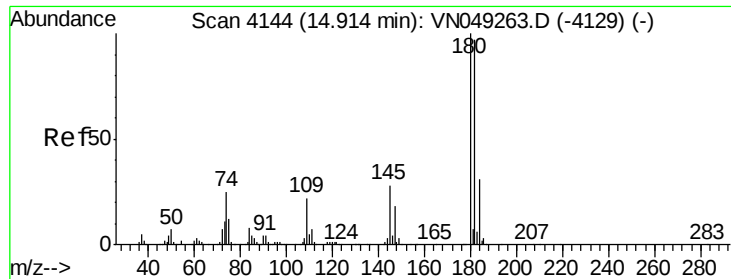
Delta R.T. -0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Tgt Ion:	75	Resp:	51975
Ion Ratio		Lower	Upper
75	100		
155	82.5	38.8	116.3
157	111.8	51.0	153.1





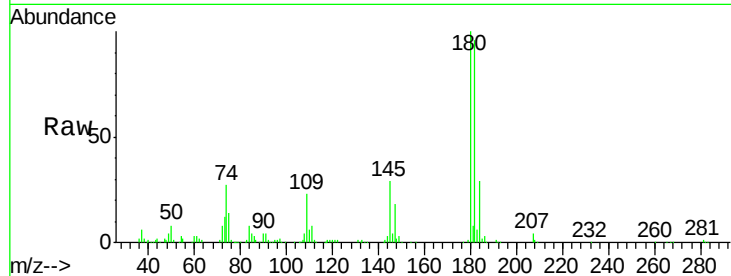
#93
 1,2,4-Trichlorobenzene
 Concen: 16.92 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBSD03

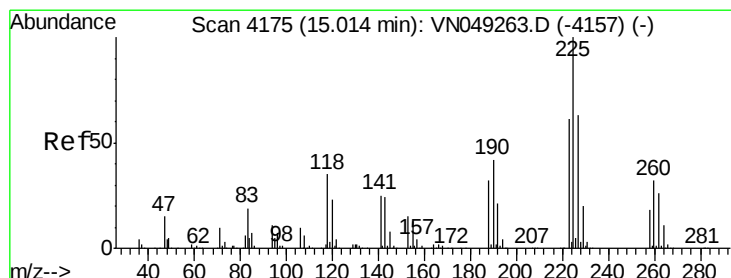
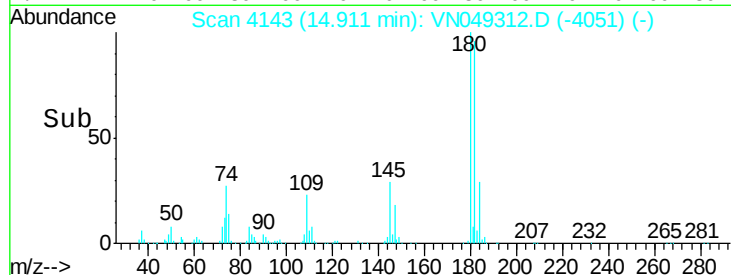
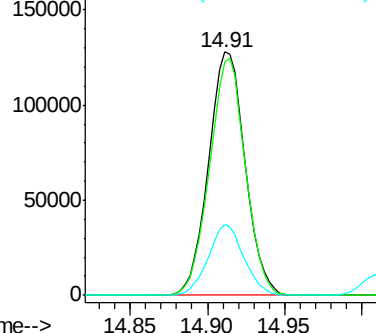
Tot Ion	Ratio	Resp	Lower	Upper
180	100	210117		
182	95.3	46.9	140.8	
145	28.2	14.7	44.1	

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:23 PM

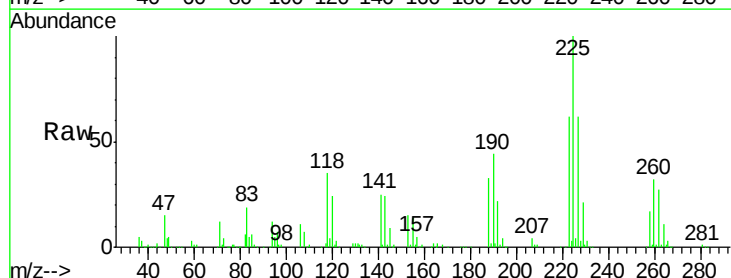


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

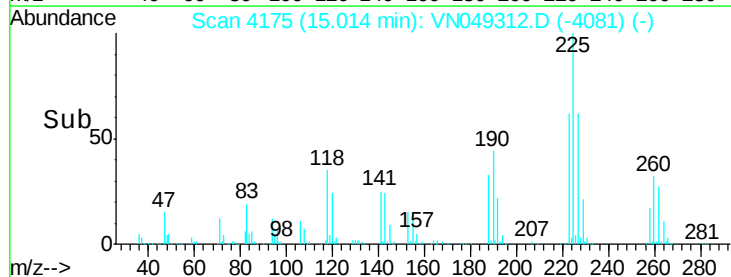
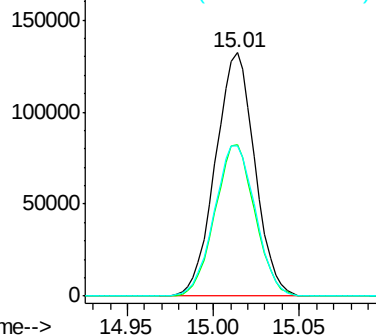


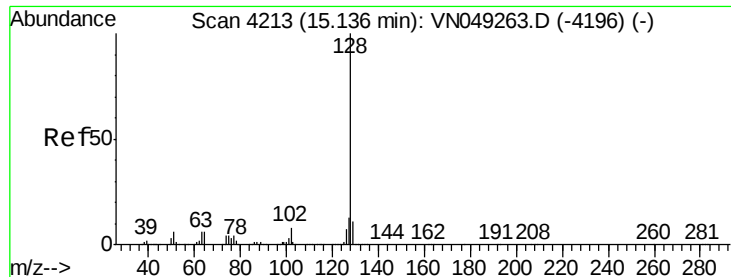
#94
 Hexachlorobutadiene
 Concen: 19.36 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049312.D
 Acq: 16 Jun 2018 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	209668		
223	63.1	32.1	96.3	
227	64.9	31.8	95.3	



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





#95

Naphthalene

Concen: 17.41 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Instrument :

MSVOA_N

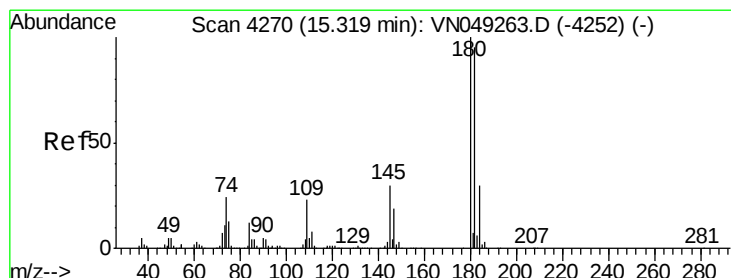
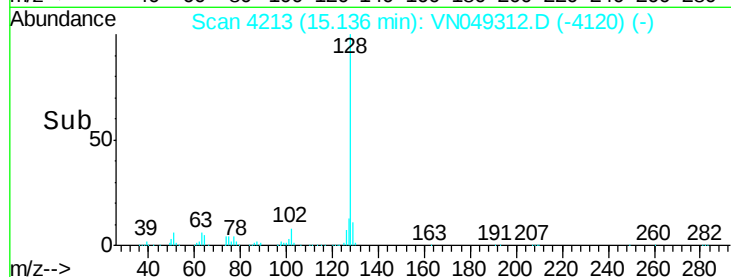
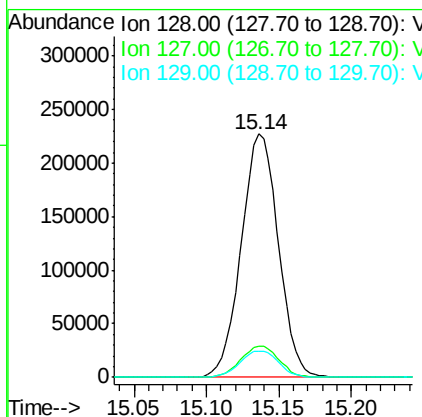
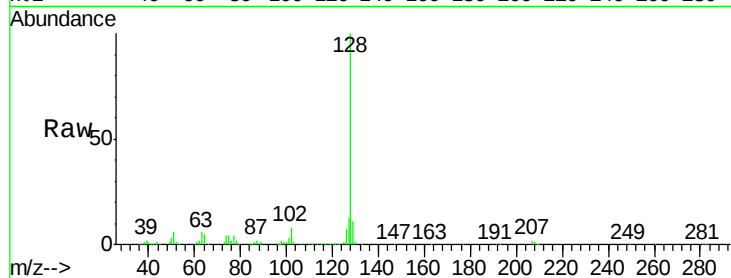
ClientSampleId :

VN0616WBSD03

Tot Ion:	128	Resp:	404755
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	11.3	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/18/2018 3:16:23 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.92 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049312.D

Acq: 16 Jun 2018 16:22

Tgt Ion:	180	Resp:	237234
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.3	141.8
145	29.6	15.6	46.7

