

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049284.D
 Acq On : 16 Jun 2018 2:34
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Jun 16 05:18:26 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	1469739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2170574	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1978558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1019940	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	980237	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	7.59	113	901085	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.09	98	3415815	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.40	95	1142570	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	754933	44.63	ug/l	100
3) Chloromethane	2.06	50	953754	43.66	ug/l	97
4) Vinyl Chloride	2.18	62	1053271	45.37	ug/l	99
5) Bromomethane	2.56	94	532563	43.64	ug/l	96
6) Chloroethane	2.70	64	666576	48.15	ug/l	100
7) Trichlorofluoromethane	3.02	101	1369086	47.27	ug/l	100
8) Diethyl Ether	3.41	74	473202	46.80	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	853959	46.49	ug/l	93
10) Methyl Iodide	3.95	142	1045053	54.65	ug/l	92
11) Tert butyl alcohol	4.80	59	236344	206.57	ug/l	99
12) 1,1-Dichloroethene	3.73	96	781817	46.39	ug/l	90
13) Acrolein	3.61	56	271053	225.91	ug/l	100
14) Allyl chloride	4.32	41	1259696	47.34	ug/l	88
15) Acrylonitrile	4.99	53	1348398	235.69	ug/l	98
16) Acetone	3.82	43	940235m	198.65	ug/l	
17) Carbon Disulfide	4.05	76	2336759	44.24	ug/l	100
18) Methyl Acetate	4.33	43	663394	45.97	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	2086377	48.56	ug/l	99
20) Methylene Chloride	4.55	84	910481	46.06	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	842534	47.22	ug/l	95
22) Diisopropyl ether	5.96	45	2675813	50.36	ug/l	96
23) Vinyl Acetate	5.90	43	8631293	249.17	ug/l	95
24) 1,1-Dichloroethane	5.85	63	1628070	47.87	ug/l	98
25) 2-Butanone	6.84	43	1390133	218.73	ug/l	96
26) 2,2-Dichloropropane	6.82	77	1133217	41.26	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	973245	49.07	ug/l	90
28) Bromochloromethane	7.20	49	748746	49.66	ug/l	85
29) Tetrahydrofuran	7.22	42	948164	231.77	ug/l	94
30) Chloroform	7.37	83	1638128	48.40	ug/l	99
31) Cyclohexane	7.65	56	1414273	49.05	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	1412193	48.90	ug/l	96
36) 1,1-Dichloropropene	7.79	75	1257397	50.54	ug/l	98
37) Ethyl Acetate	6.93	43	663483	49.06	ug/l	96
38) Carbon Tetrachloride	7.77	117	1264928	49.11	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1286101	48.16	ug/l	97
40) Benzene	8.04	78	3733488	48.95	ug/l	99
41) Methacrylonitrile	7.18	41	336086	45.97	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	1159379	49.20	ug/l	96
43) Isopropyl Acetate	8.17	43	1280094	49.54	ug/l	97
44) Trichloroethene	8.84	130	984949	48.90	ug/l	93
45) 1,2-Dichloropropane	9.12	63	999507	50.05	ug/l	100
46) Dibromomethane	9.21	93	565732	48.86	ug/l	92
47) Bromodichloromethane	9.40	83	1266420	49.77	ug/l	98
48) Methyl methacrylate	9.20	41	608167	49.98	ug/l	87
49) 1,4-Dioxane	9.20	88	155230	924.30	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	3302023	243.82	ug/l	95
52) Toluene	10.16	92	2313189	51.68	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	1183348	48.61	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1411757	49.12	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	806490	48.33	ug/l	97
56) Ethyl methacrylate	10.43	69	963501	50.05	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	1373362	49.68	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	1523663	223.02	ug/l	94
59) 2-Hexanone	10.75	43	2070872	237.18	ug/l	94
60) Dibromochloromethane	10.90	129	926381	49.74	ug/l	100
61) 1,2-Dibromoethane	11.01	107	757432	48.83	ug/l	100
64) Tetrachloroethene	10.63	164	993111	48.98	ug/l	99
65) Chlorobenzene	11.44	112	2491308	48.88	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	942818	49.15	ug/l	98
67) Ethyl Benzene	11.51	91	4335082	51.28	ug/l	98
68) m/p-Xylenes	11.62	106	3348182	105.53	ug/l	97
69) o-Xylene	11.95	106	1612357	52.76	ug/l	95
70) Styrene	11.97	104	2623642	54.42	ug/l	97
71) Bromoform	12.13	173	613353	49.40	ug/l #	99
73) Isopropylbenzene	12.25	105	4299791	48.01	ug/l	98
74) N-amyl acetate	12.07	43	1001929	45.68	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	934646	50.77	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	751963m	43.21	ug/l	
77) Bromobenzene	12.53	156	1049344	44.36	ug/l	91
78) n-propylbenzene	12.59	91	4857555	49.40	ug/l	98
79) 2-Chlorotoluene	12.68	91	2939712	47.18	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3515252	49.94	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	233175	42.35	ug/l	92
82) 4-Chlorotoluene	12.77	91	2900205	48.25	ug/l	97
83) tert-Butylbenzene	12.99	119	2971492	47.65	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	3530120	50.48	ug/l	98
85) sec-Butylbenzene	13.17	105	3982467	47.98	ug/l	99
86) p-Isopropyltoluene	13.29	119	3415810	49.26	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1850158	47.54	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1779838	46.15	ug/l	100
89) n-Butylbenzene	13.62	91	2641139	48.76	ug/l	98
90) Hexachloroethane	13.88	117	672744	51.31	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	1805527	47.31	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	129762	41.62	ug/l	86

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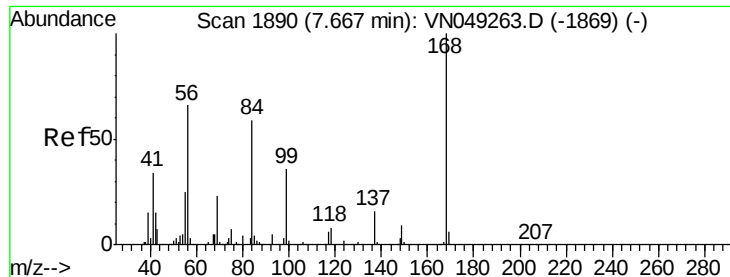
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	698245	40.87	ug/l	99
94) Hexachlorobutadiene	15.01	225	540030	48.28	ug/l	98
95) Naphthalene	15.14	128	1322128	43.63	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	719480	42.62	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: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1469739

Ion Ratio Lower Upper

168 100

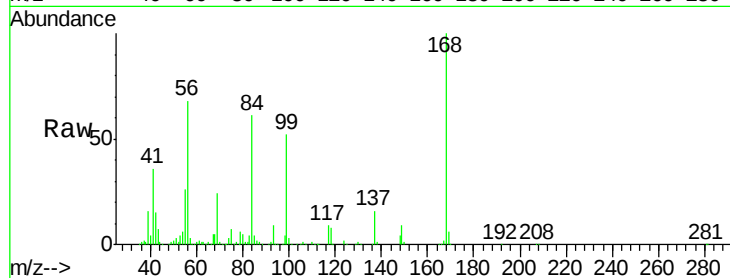
99 51.3 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

600000

400000

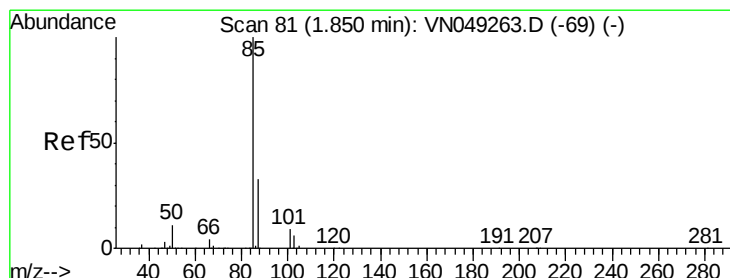
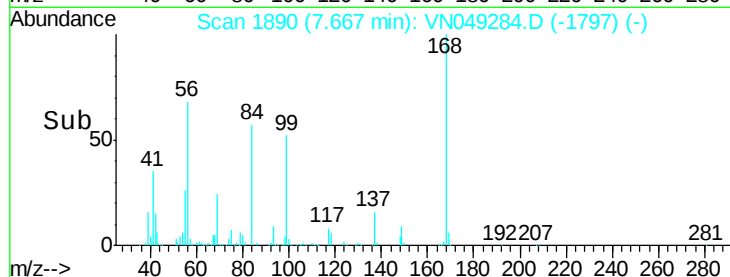
200000

0

7.67

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.63 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN049284.D

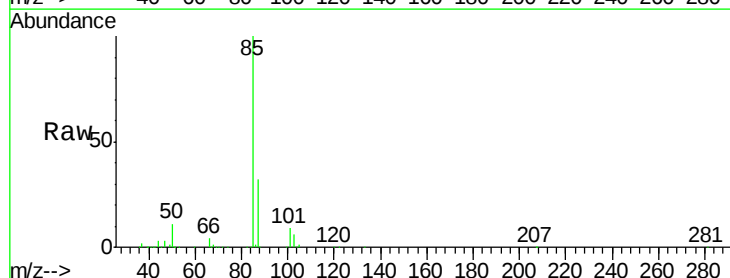
Acq: 16 Jun 2018 2:34

Tgt Ion: 85 Resp: 754933

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

600000

400000

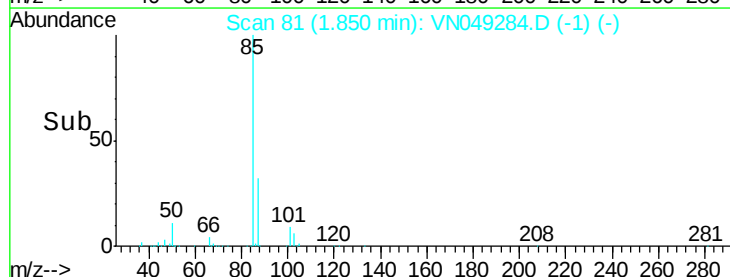
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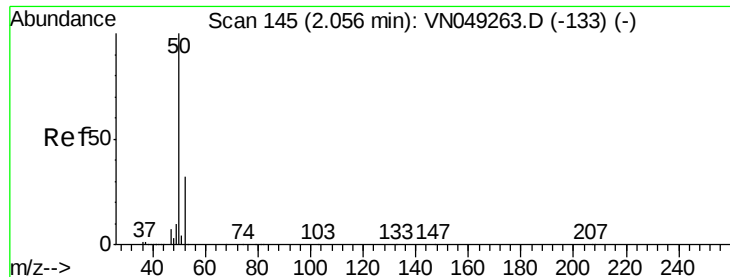
0

1.85

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 43.66 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 953754

Ion Ratio Lower Upper

50 100

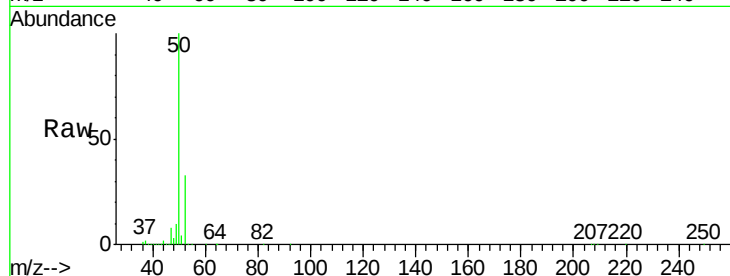
52 33.4 25.2 37.8

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Abundance Ion 49.90 (49.60 to 50.60): VN049284.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN049284.D (-52) (-)

2.06

800000

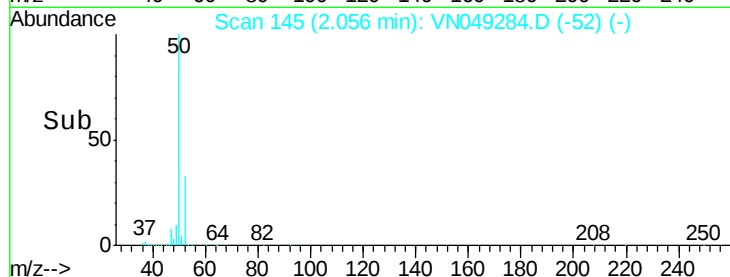
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400000

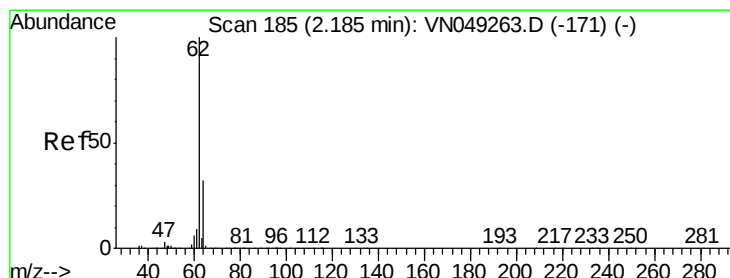
200000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 45.37 ug/l

RT: 2.18 min Scan# 185

Delta R.T. -0.00 min

Lab File: VN049284.D

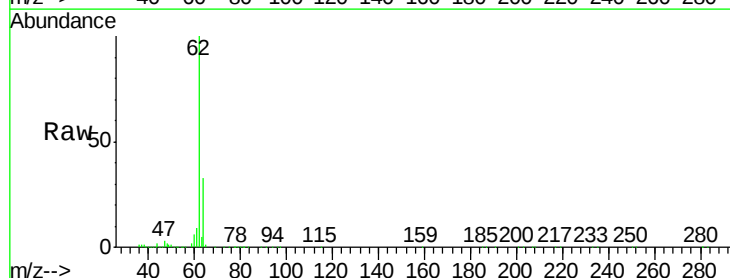
Acq: 16 Jun 2018 2:34

Tgt Ion: 62 Resp: 1053271

Ion Ratio Lower Upper

62 100

64 32.7 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN049284.D (-92) (-)

Ion 63.90 (63.60 to 64.60): VN049284.D (-92) (-)

2.18

800000

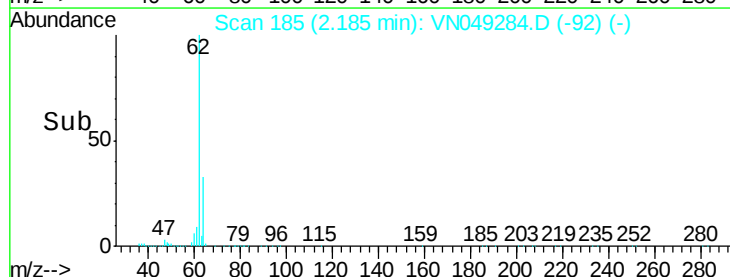
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400000

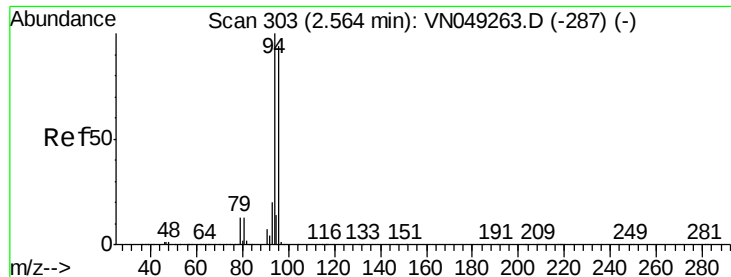
200000

0

Time-->



Time-->



#5

Bromomethane

Concen: 43.64 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

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Tot Ion: 94 Resp: 532563

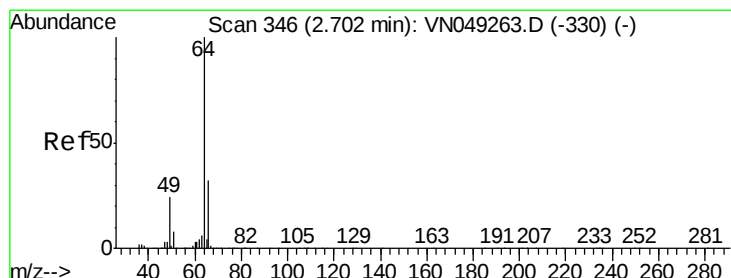
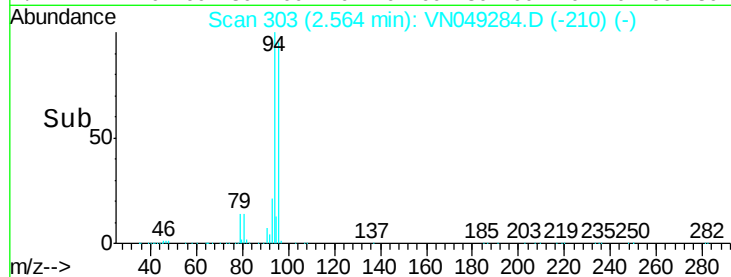
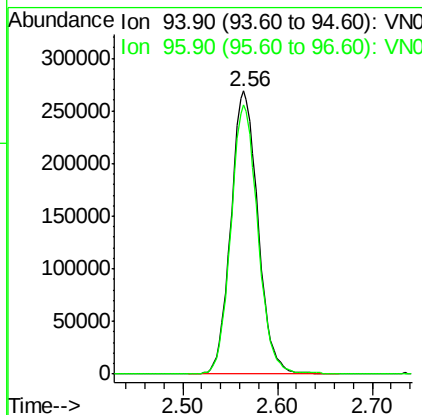
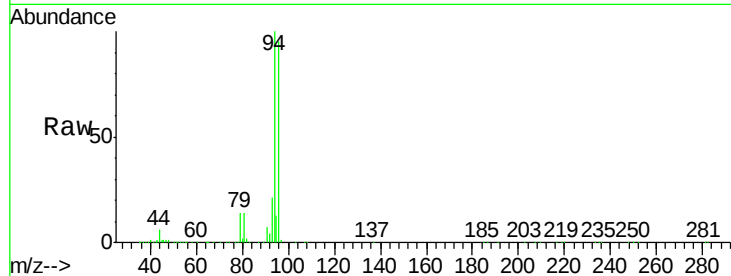
Ion Ratio Lower Upper

94 100

96 95.3 72.8 109.2

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#6

Chloroethane

Concen: 48.15 ug/l

RT: 2.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VN049284.D

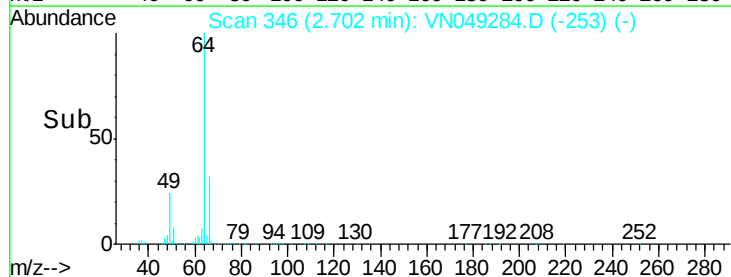
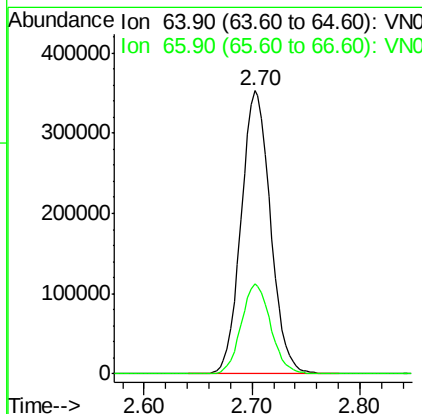
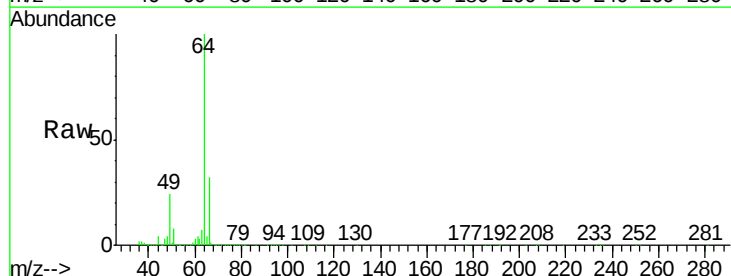
Acq: 16 Jun 2018 2:34

Tgt Ion: 64 Resp: 666576

Ion Ratio Lower Upper

64 100

66 31.7 25.6 38.4





#7

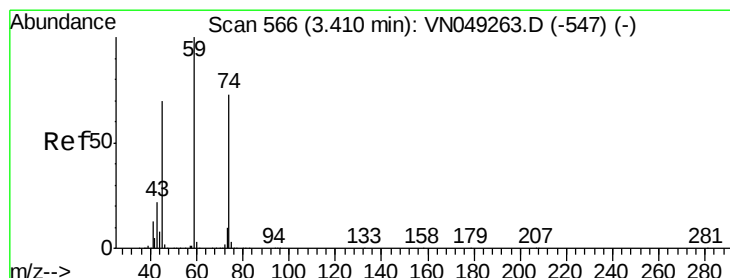
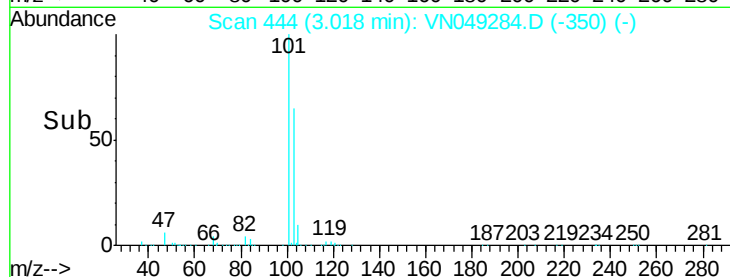
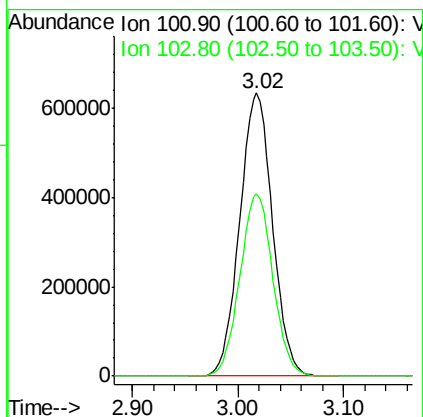
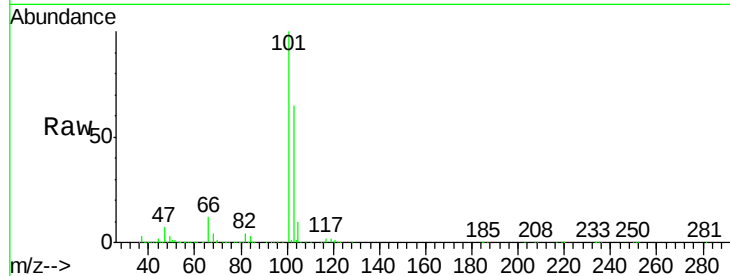
Trichlorofluoromethane
 Concen: 47.27 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

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 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 1369086
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.7 77.5

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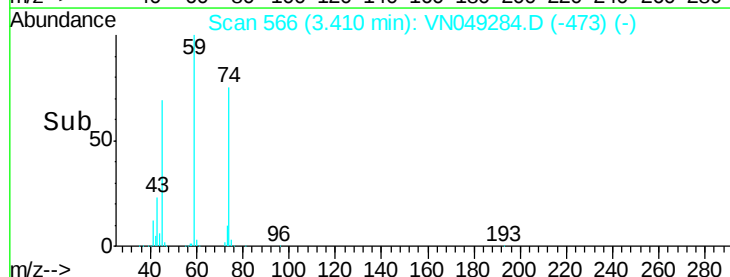
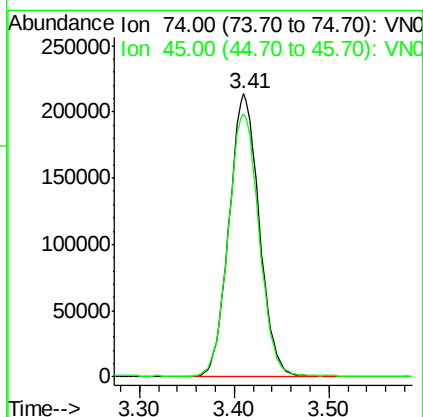
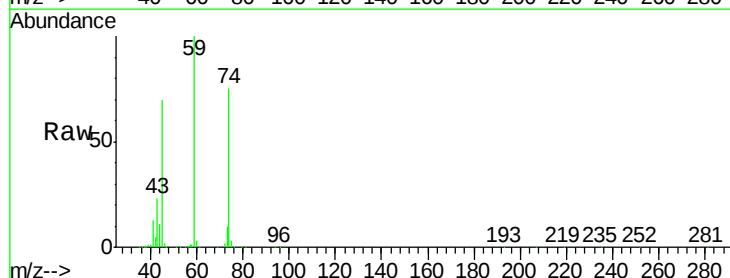
MMDadoda
 6/18/2018 3:16:16 PM



#8

Diethyl Ether
 Concen: 46.80 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Tgt Ion: 74 Resp: 473202
 Ion Ratio Lower Upper
 74 100
 45 94.7 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.49 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

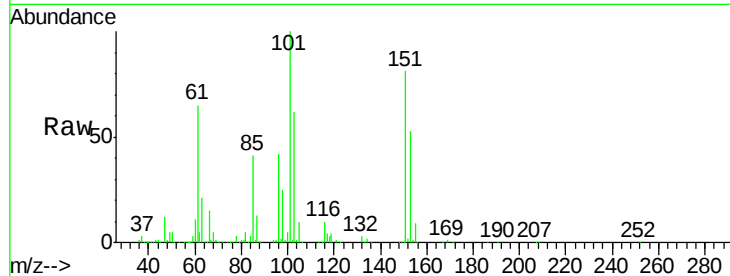
ClientSampleId :

VSTDCCC050

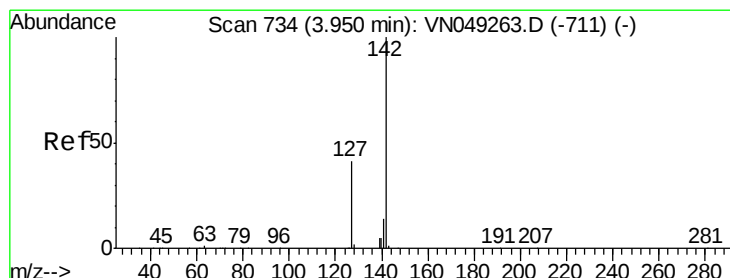
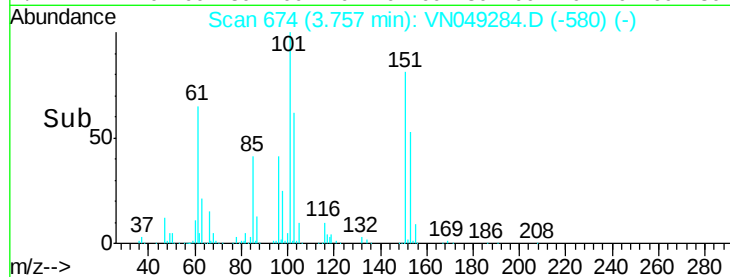
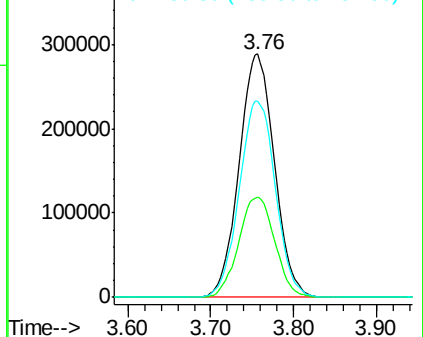
Tot Ion:	101	Resp:	853959
Ion Ratio	Lower	Upper	
101	100		
85	42.2	37.6	56.4
151	82.8	61.1	91.7

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



#10

Methyl Iodide

Concen: 54.65 ug/l

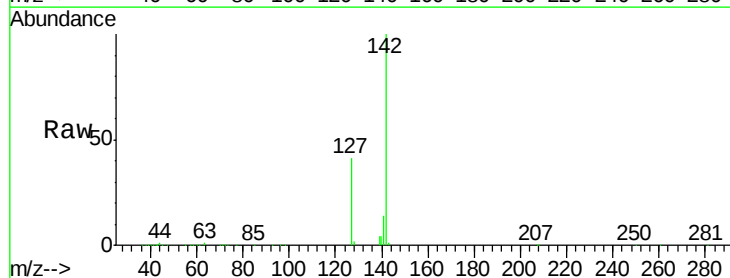
RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

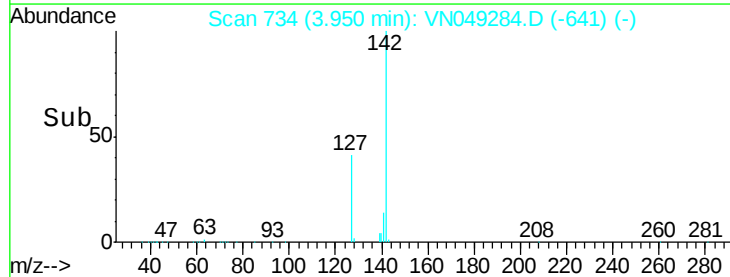
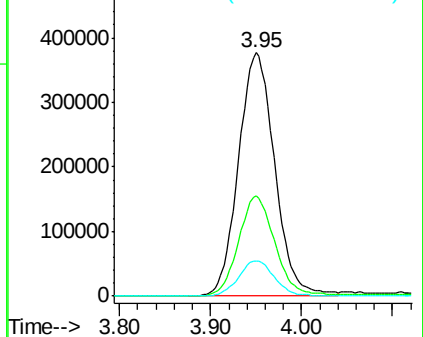
Lab File: VN049284.D

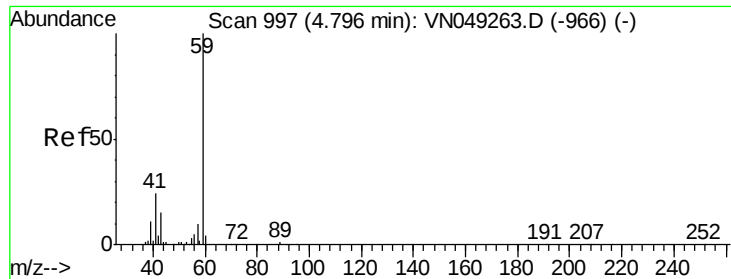
Acq: 16 Jun 2018 2:34

Tgt Ion:	142	Resp:	1045053
Ion Ratio	Lower	Upper	
142	100		
127	41.3	38.2	57.4
141	14.4	11.9	17.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

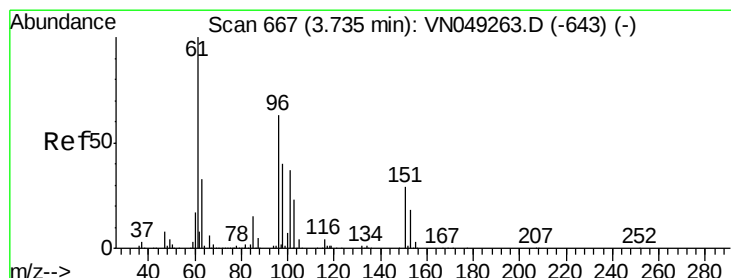
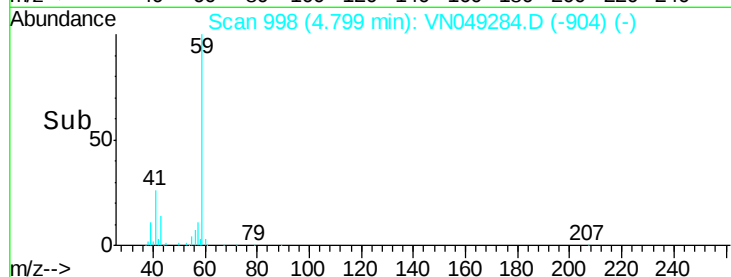
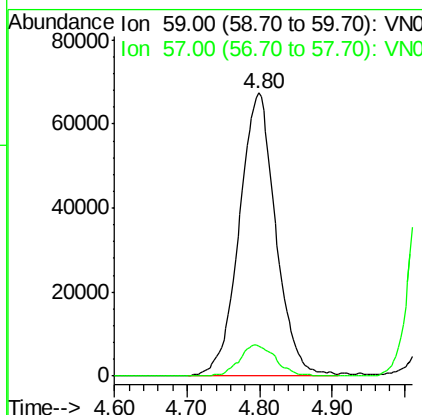
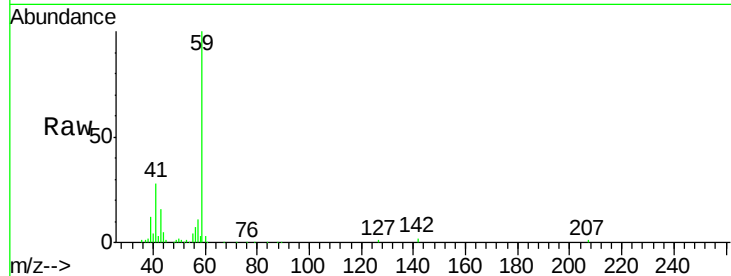
Tert butyl alcohol
Concen: 206.57 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.0	13.6

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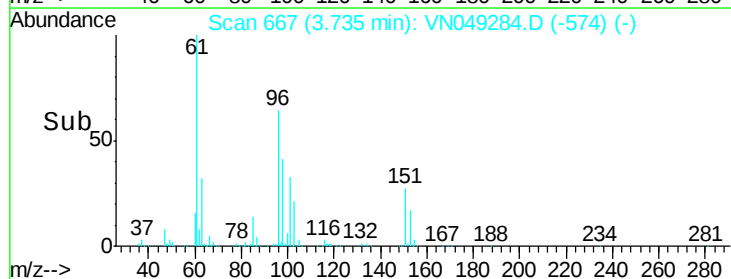
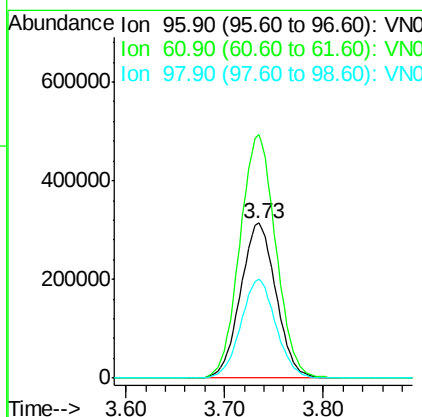
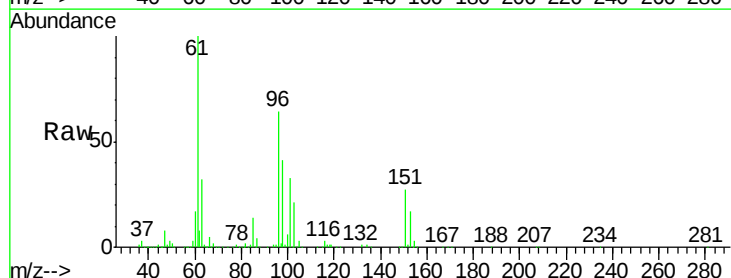
MMDadoda
6/18/2018 3:16:16 PM

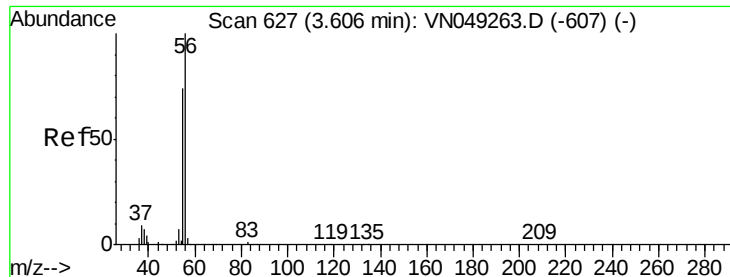


#12

1,1-Dichloroethene
Concen: 46.39 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.2	141.0	211.4
98	63.9	50.4	75.6





#13

Acrolein

Concen: 225.91 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 271053

Ion Ratio Lower Upper

56 100

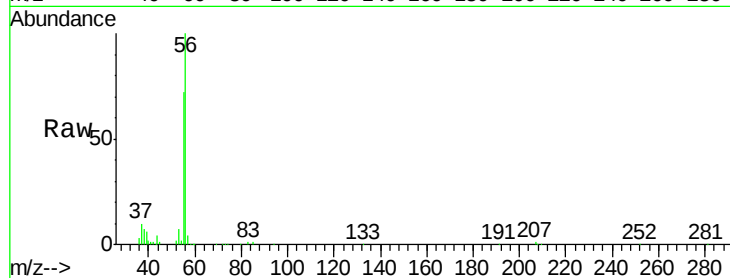
55 71.1 57.1 85.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

120000

100000

80000

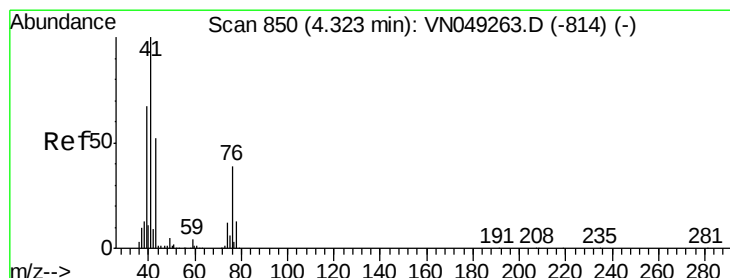
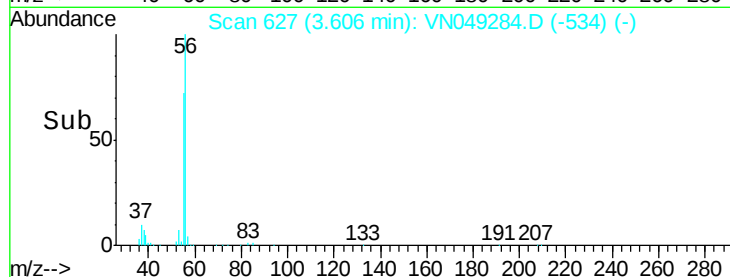
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 47.34 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

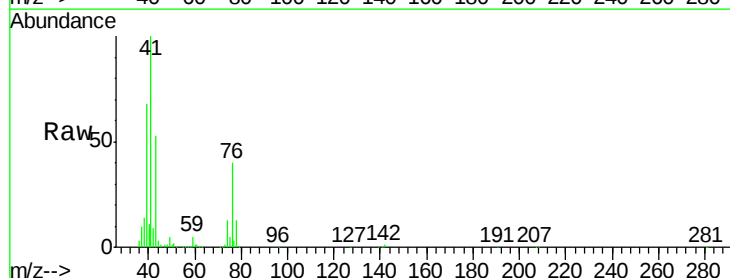
Tgt Ion: 41 Resp: 1259696

Ion Ratio Lower Upper

41 100

39 65.2 62.5 93.7

76 37.2 27.1 40.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

500000

400000

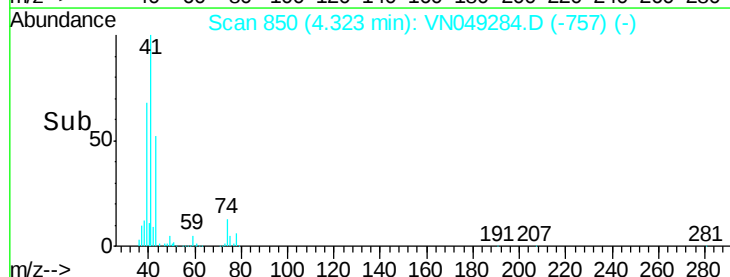
300000

200000

100000

0

Time-->





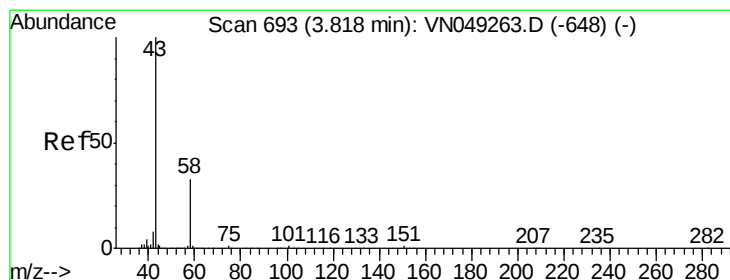
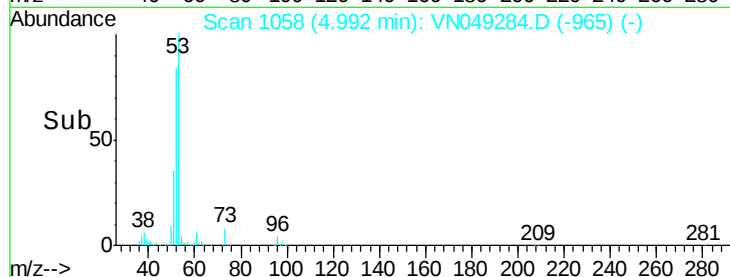
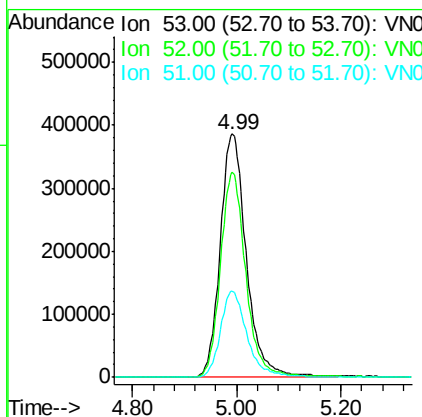
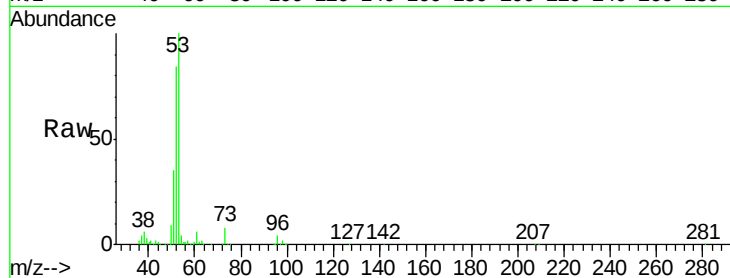
#15
 Acrylonitrile
 Concen: 235.69 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	53	Resp	1348398
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.6	100.0
51	35.9	29.8	44.8

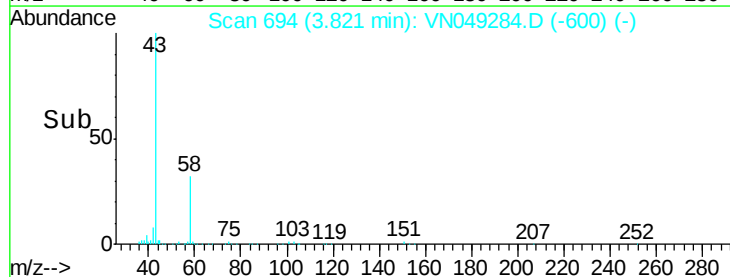
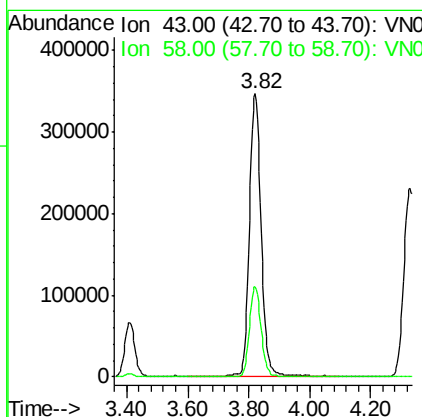
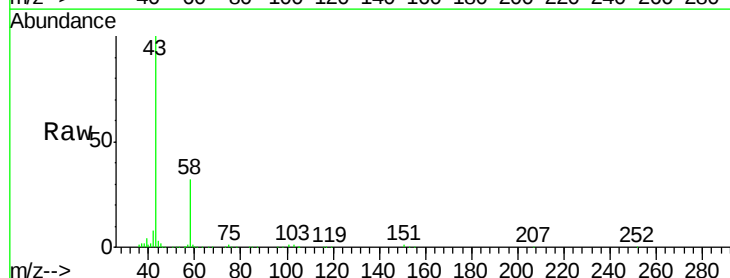
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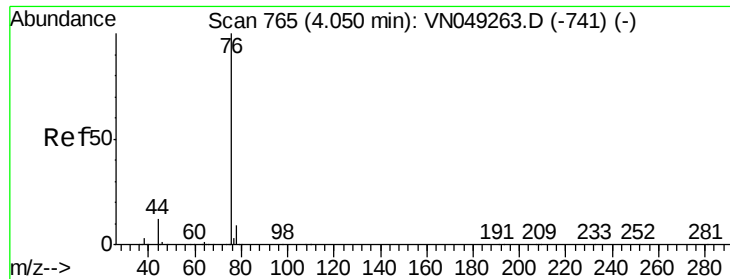
MMDadoda
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#16
 Acetone
 Concen: 198.65 ug/l m
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Tgt Ion	43	Resp	940235
Ion Ratio	Lower	Upper	
43	100		
58	32.0	22.4	33.6





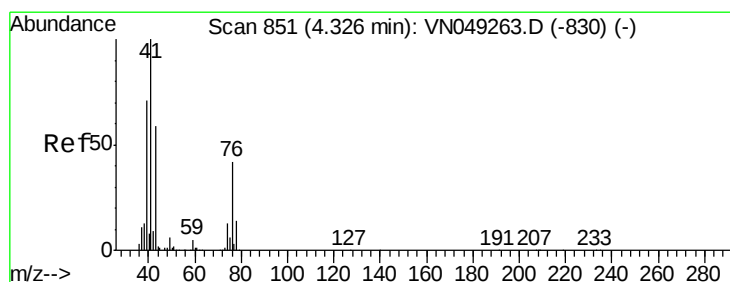
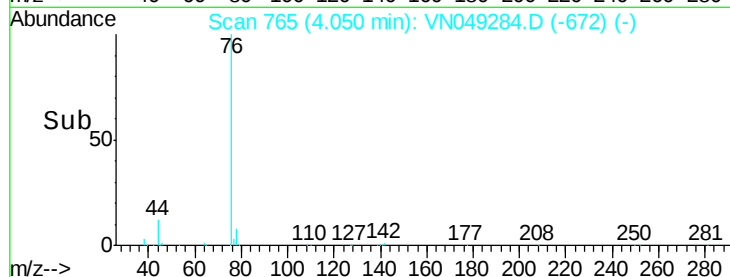
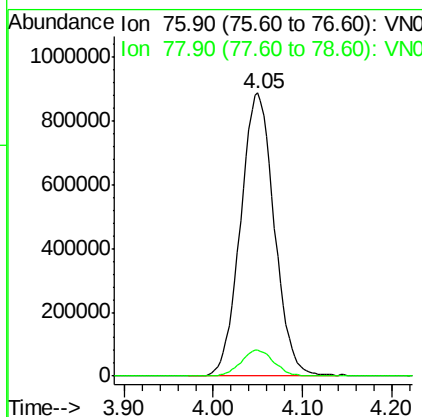
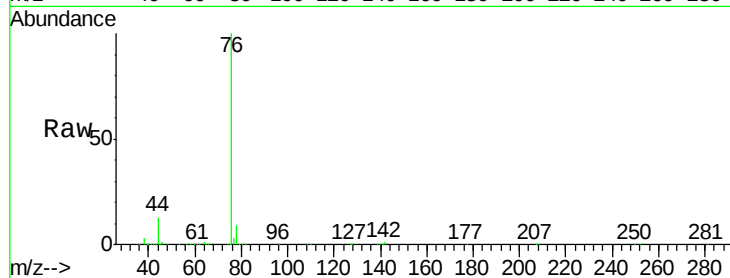
#17
Carbon Disulfide
Concen: 44.24 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 2336759
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

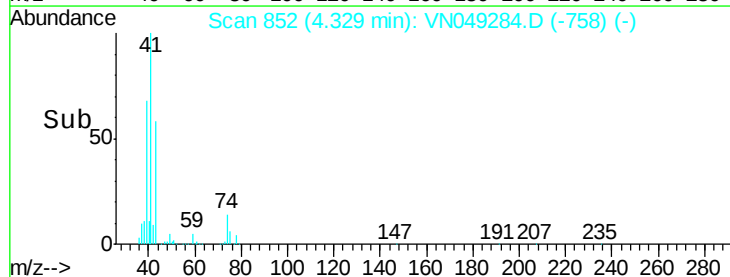
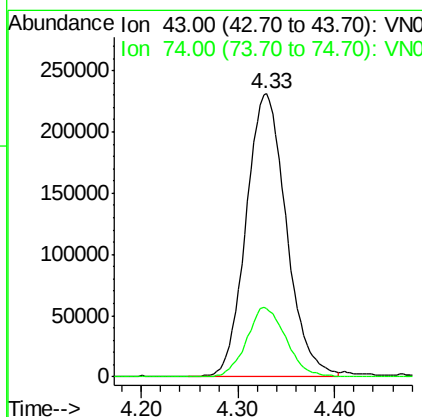
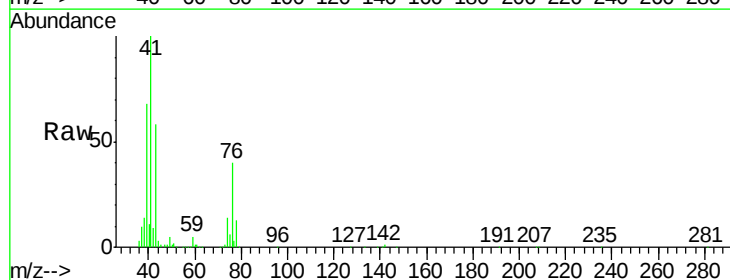
Manual Integrations
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6/18/2018 3:16:16 PM



#18
Methyl Acetate
Concen: 45.97 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 43 Resp: 663394
Ion Ratio Lower Upper
43 100
74 24.2 17.4 26.0





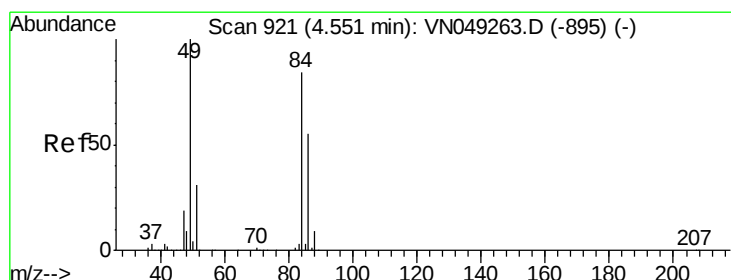
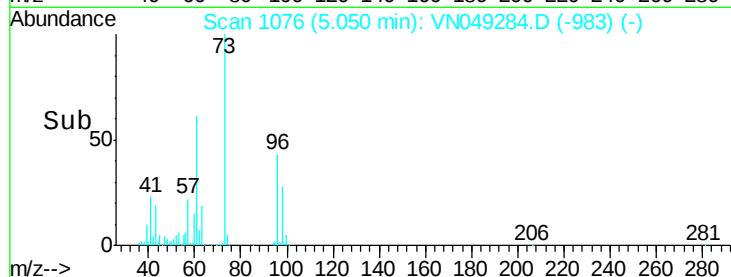
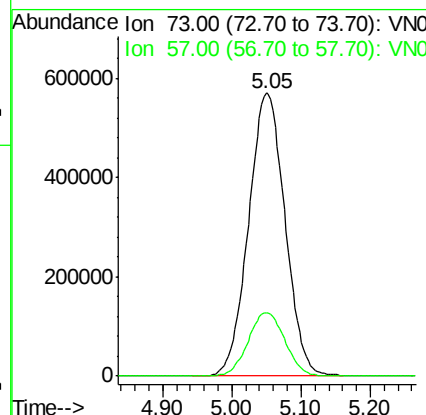
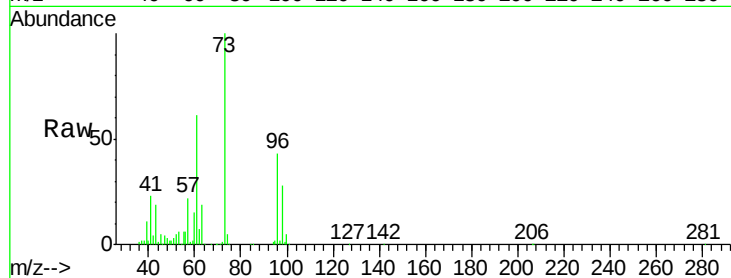
#19
Methyl tert-butyl Ether
Concen: 48.56 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 2086377
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.4

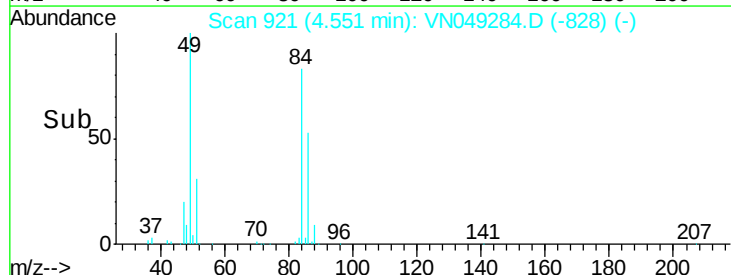
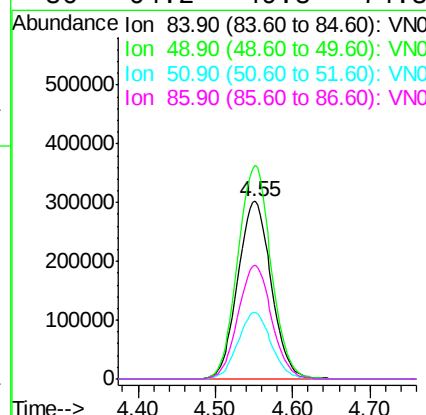
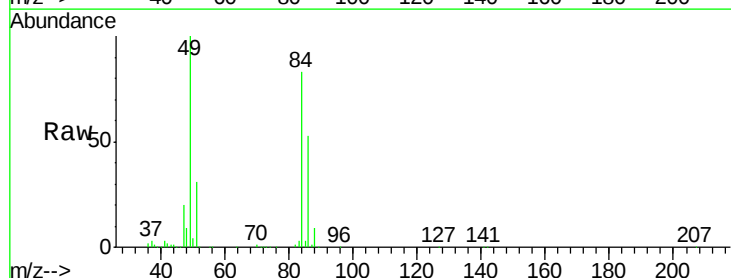
Manual Integrations
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#20
Methylene Chloride
Concen: 46.06 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 84 Resp: 910481
Ion Ratio Lower Upper
84 100
49 120.1 106.9 160.3
51 37.7 32.7 49.1
86 64.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 47.22 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

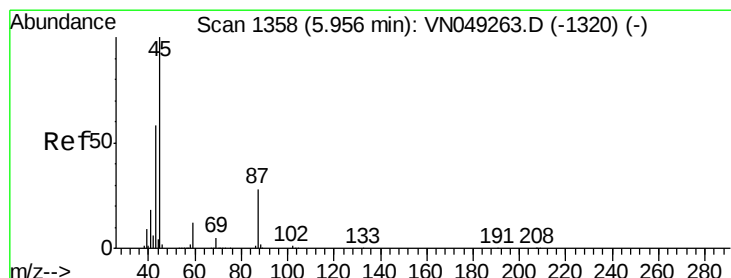
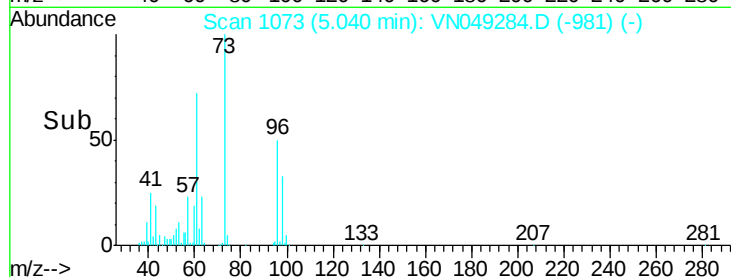
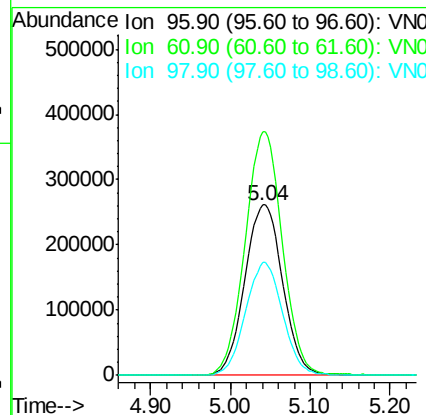
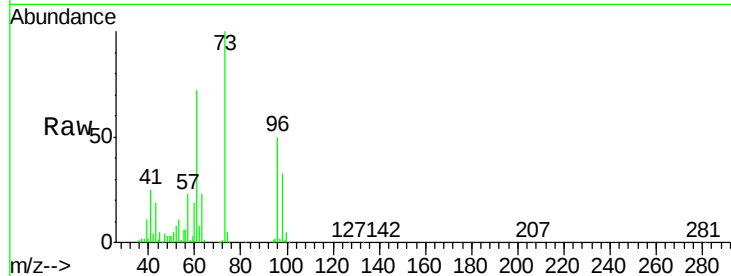
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	842534
Ion	Ratio	Lower	Upper
96	100		
61	142.7	121.3	181.9
98	66.5	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.36 ug/l

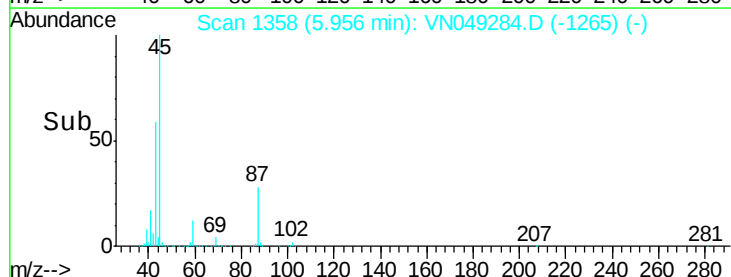
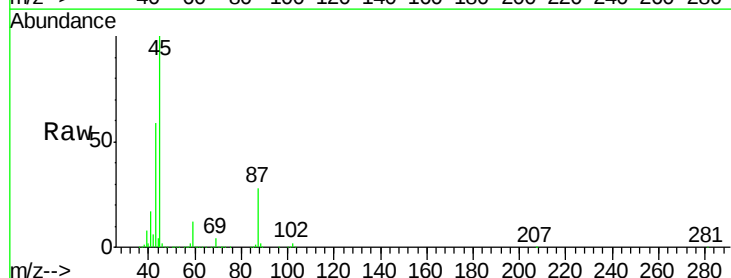
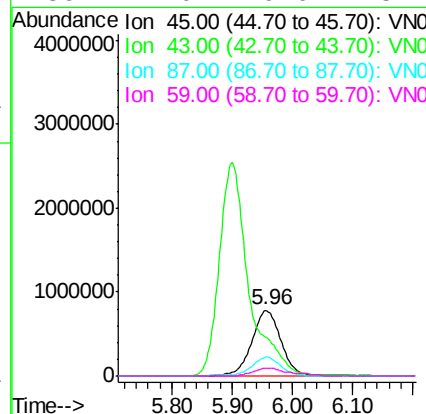
RT: 5.96 min Scan# 1358

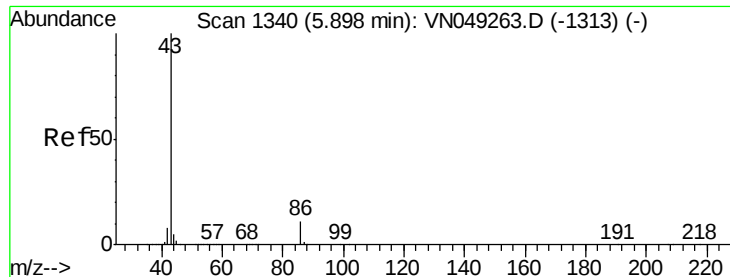
Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Tgt Ion:	45	Resp:	2675813
Ion	Ratio	Lower	Upper
45	100		
43	58.0	48.6	72.8
87	28.2	20.2	30.2
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 249.17 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 8631293

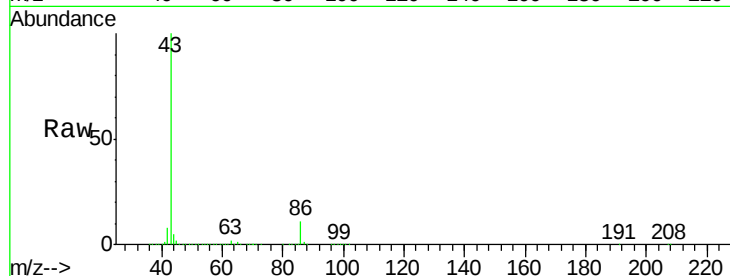
Ion Ratio Lower Upper

43 100

86 10.8 7.2 10.8

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Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-1313) (-)

Ion 86.00 (85.70 to 86.70): VN049263.D (-1313) (-)

3000000

2500000

2000000

1500000

1000000

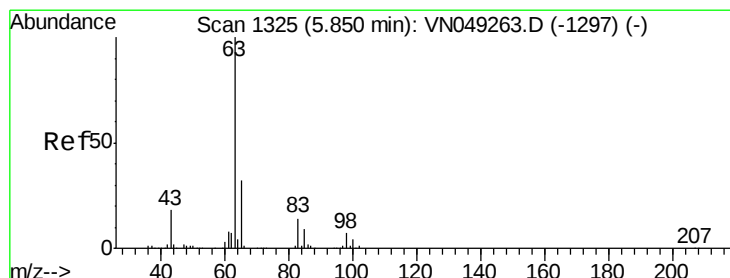
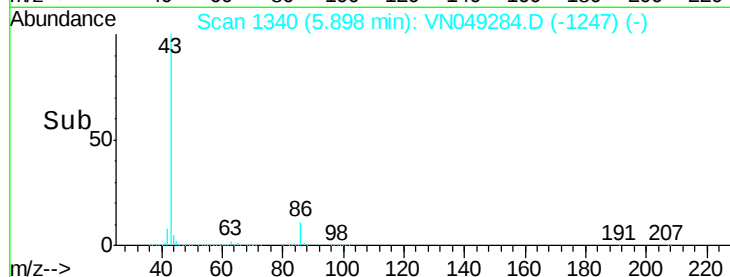
500000

0

5.80

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 47.87 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

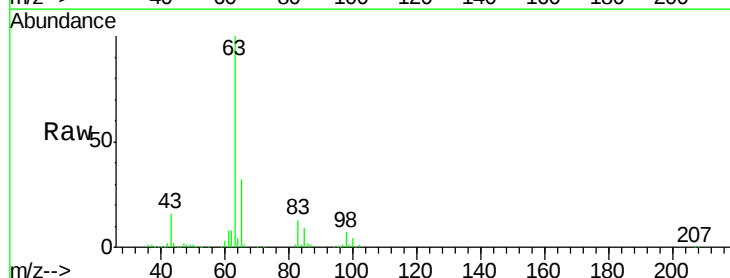
Tgt Ion: 63 Resp: 1628070

Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.8

100 4.3 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN049263.D (-1297) (-)

Ion 97.90 (97.60 to 98.60): VN049263.D (-1297) (-)

Ion 99.90 (99.60 to 100.60): VN049263.D (-1297) (-)

600000

400000

200000

0

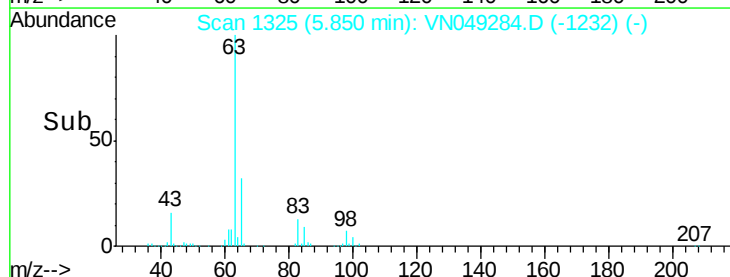
5.70

5.80

5.90

6.00

Time-->





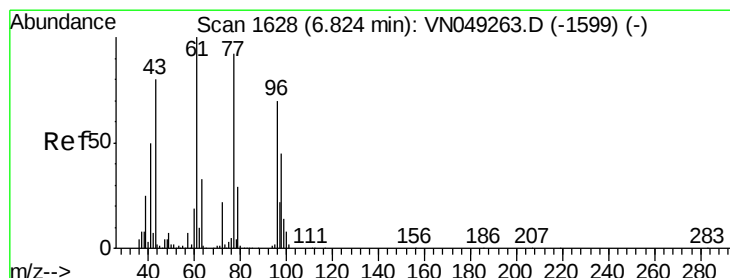
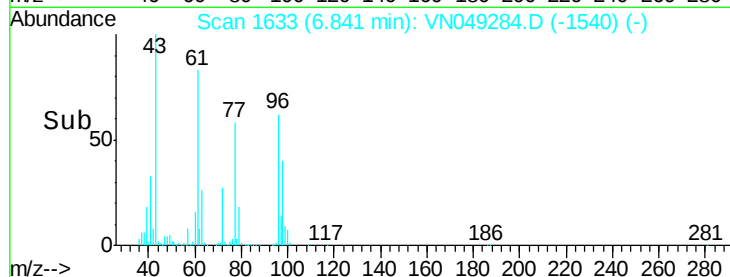
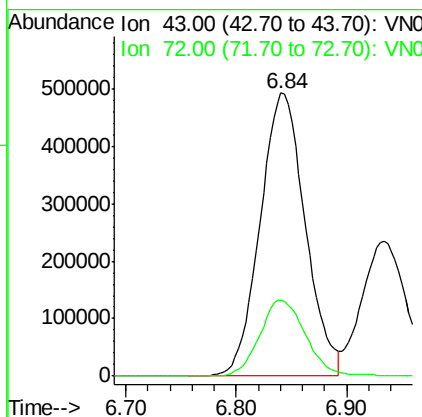
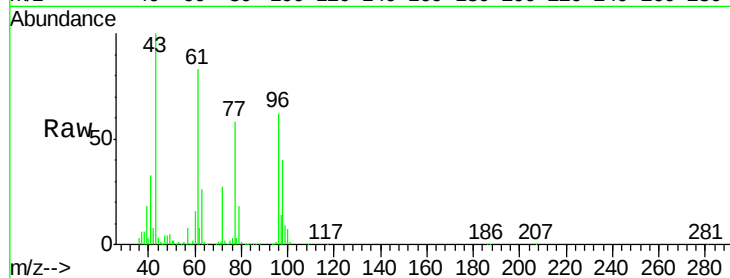
#25
2-Butanone
Concen: 218.73 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1390133
Ion Ratio Lower Upper
43 100
72 27.1 20.2 30.2

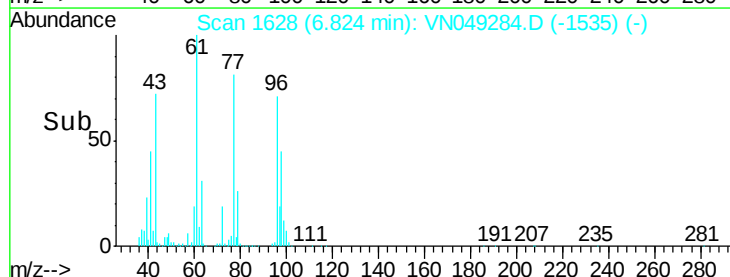
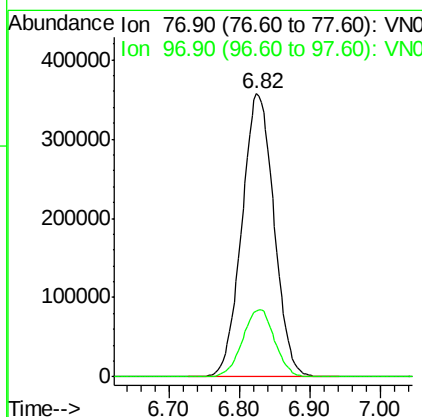
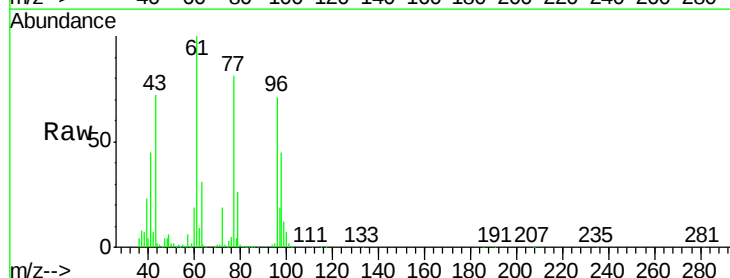
Manual Integrations
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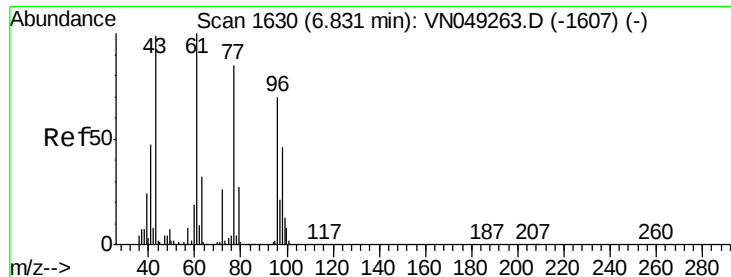
MMDadoda
6/18/2018 3:16:16 PM



#26
2,2-Dichloropropane
Concen: 41.26 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 77 Resp: 1133217
Ion Ratio Lower Upper
77 100
97 23.7 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 49.07 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

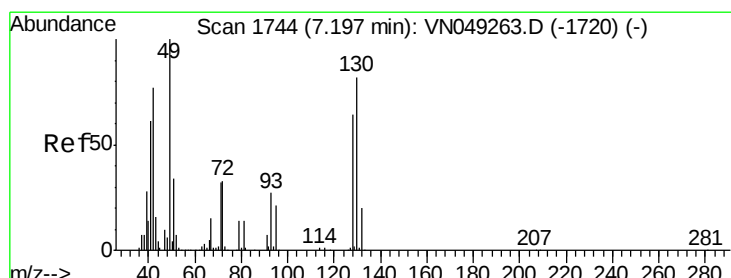
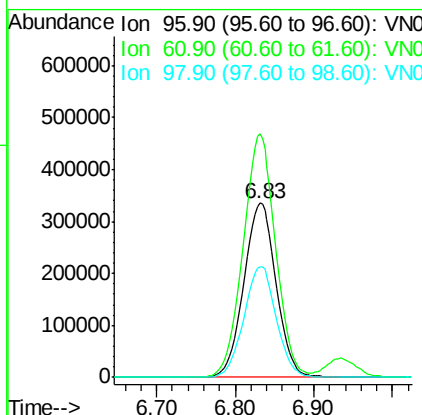
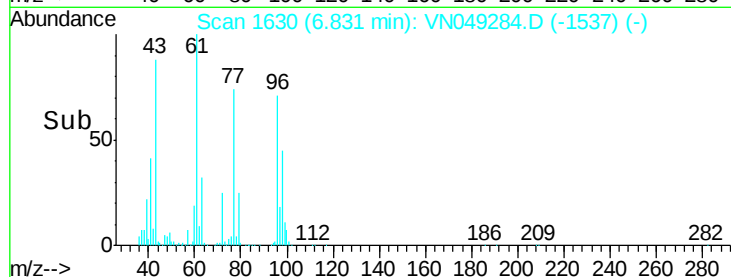
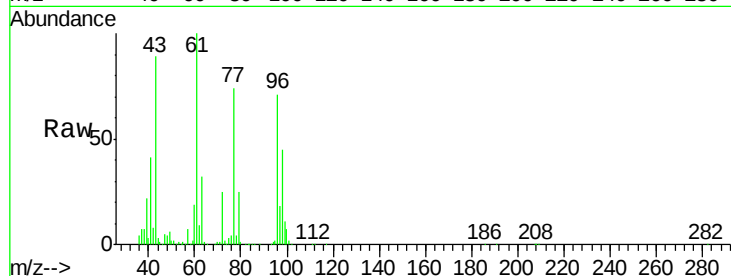
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	973245
Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	316.4
98	64.1	0.0	128.4

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#28

Bromochloromethane

Concen: 49.66 ug/l

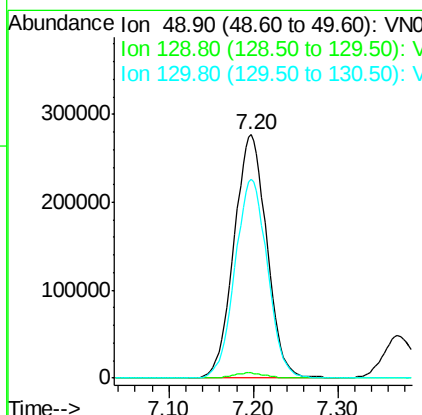
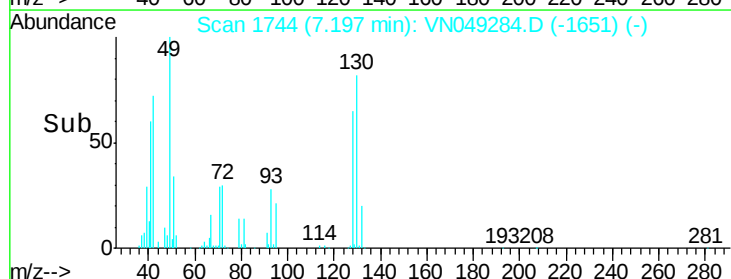
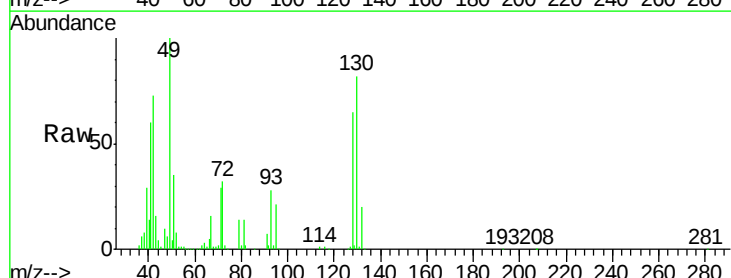
RT: 7.20 min Scan# 1744

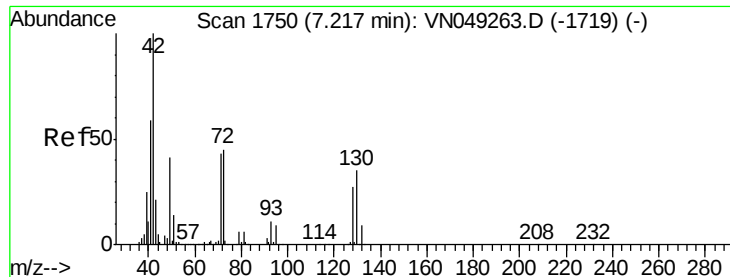
Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Tgt Ion:	49	Resp:	748746
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	81.2	54.9	82.3





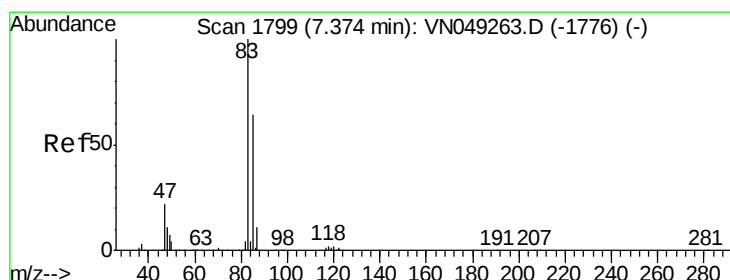
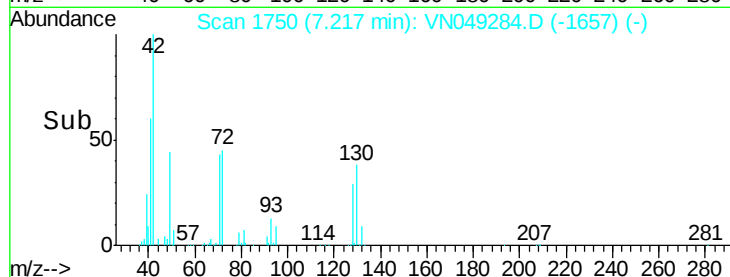
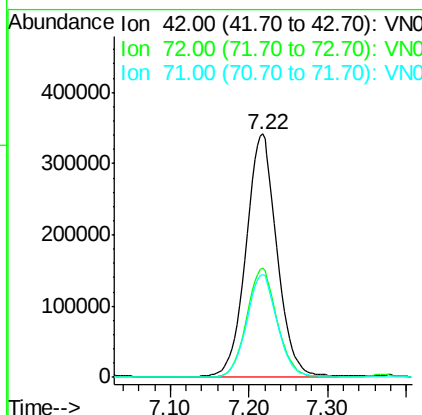
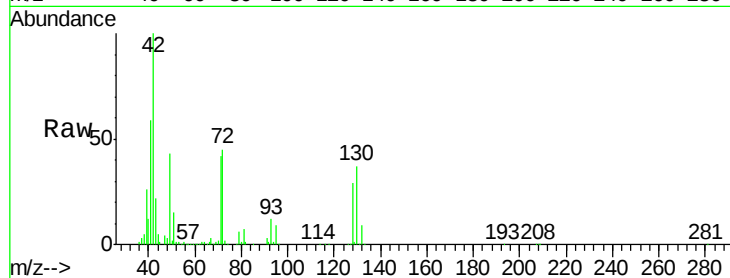
#29
Tetrahydrofuran
Concen: 231.77 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	32.2	48.4
71	42.0	30.5	45.7

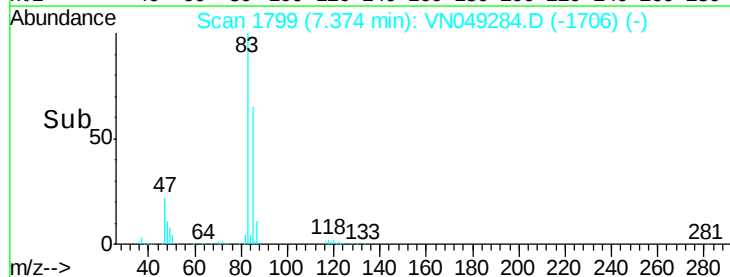
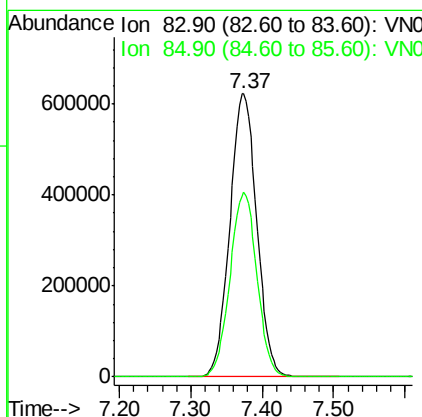
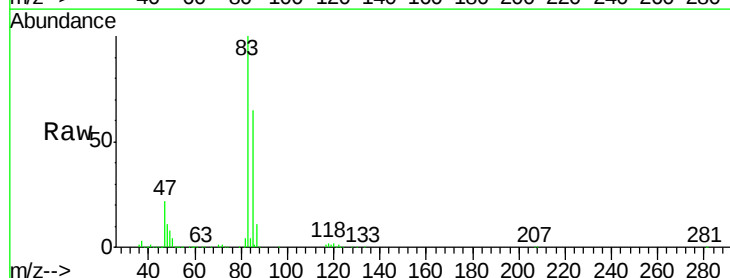
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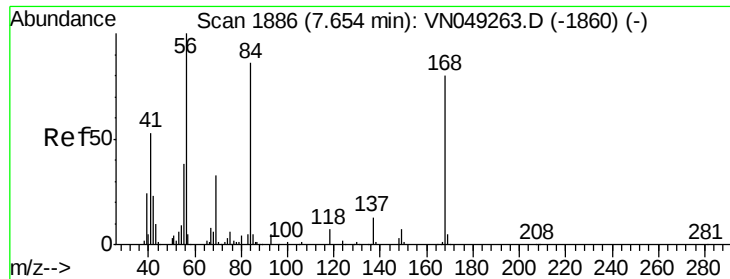
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#30
Chloroform
Concen: 48.40 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.7	77.5





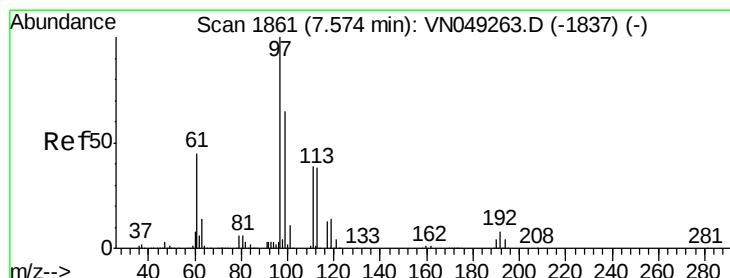
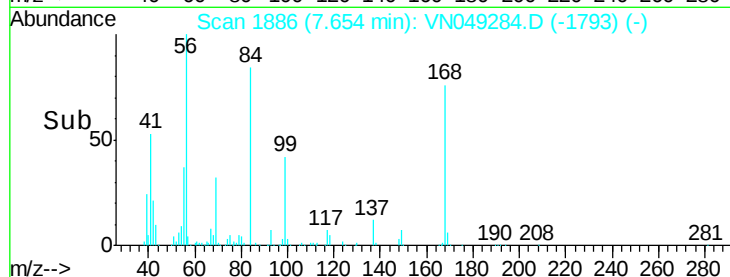
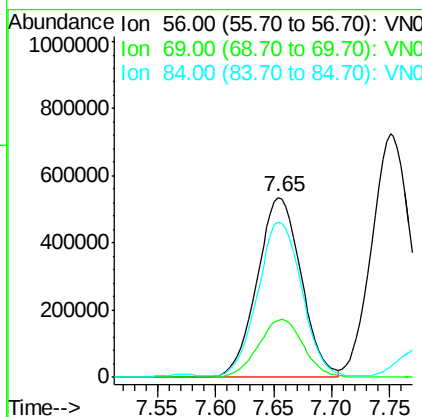
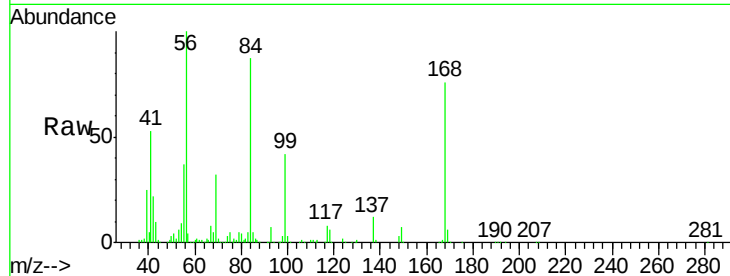
#31
Cyclohexane
Concen: 49.05 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1414273
Ion Ratio Lower Upper
56 100
69 31.8 25.0 37.4
84 85.3 64.6 96.8

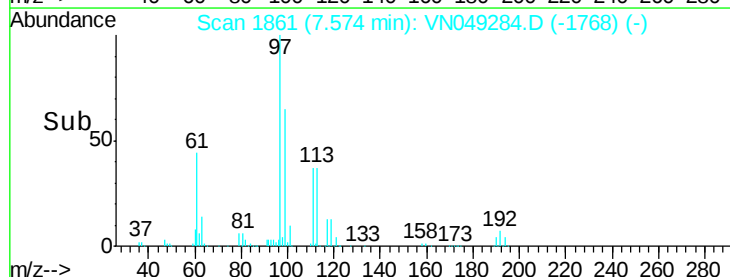
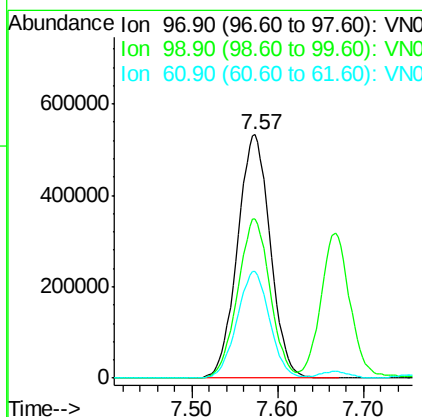
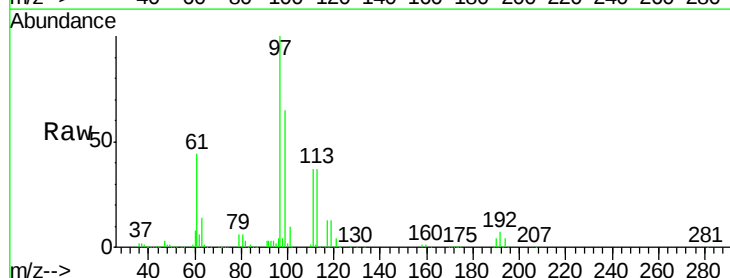
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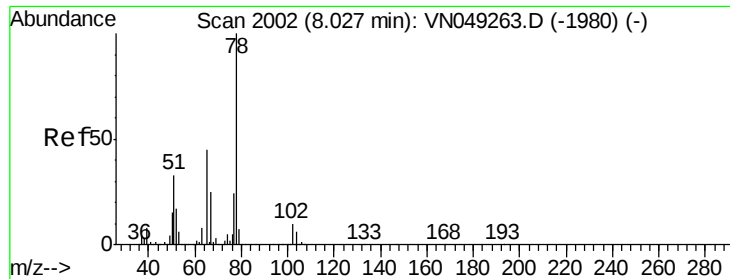
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 48.90 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 97 Resp: 1412193
Ion Ratio Lower Upper
97 100
99 64.7 50.5 75.7
61 43.7 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 50.28 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 980237

Ion Ratio Lower Upper

65 100

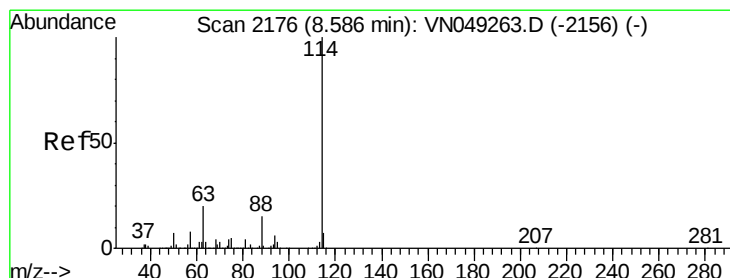
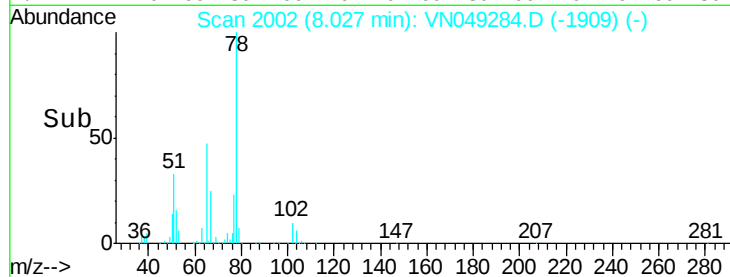
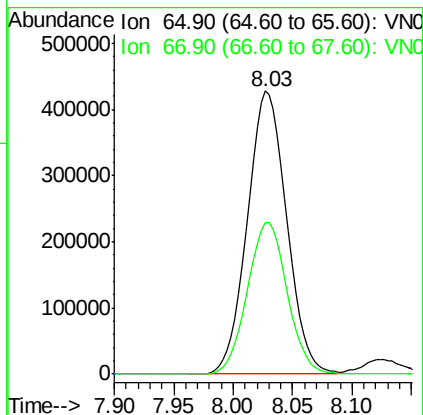
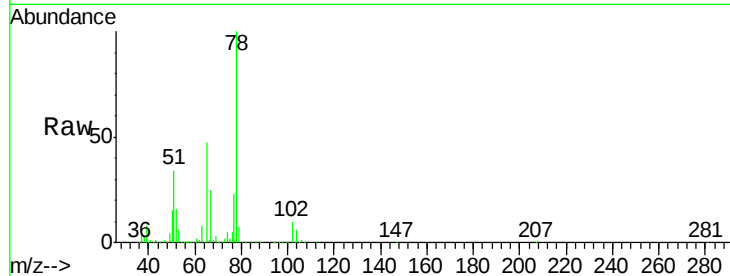
67 54.5 0.0 103.8

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

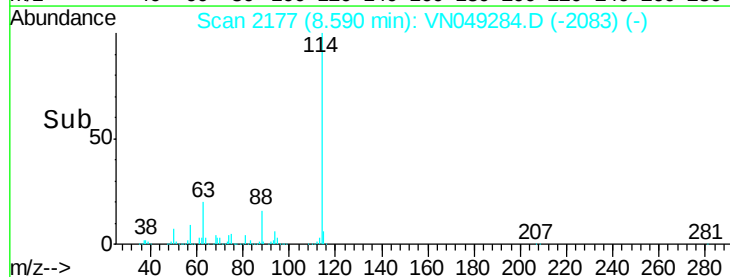
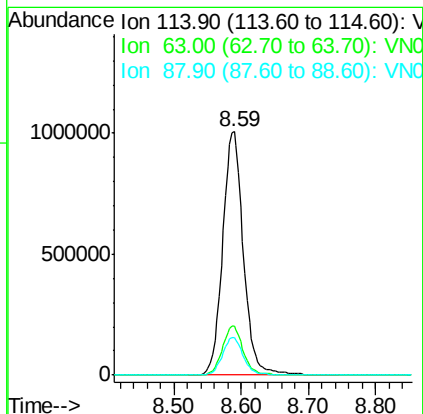
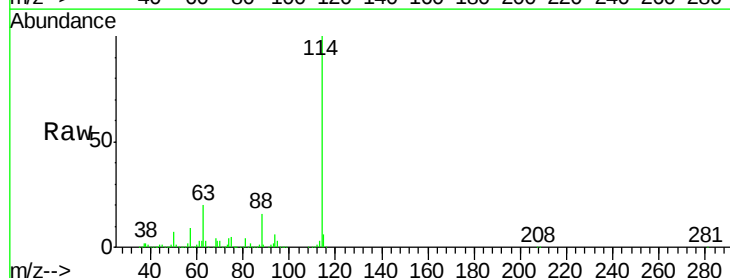
Tgt Ion: 114 Resp: 2170574

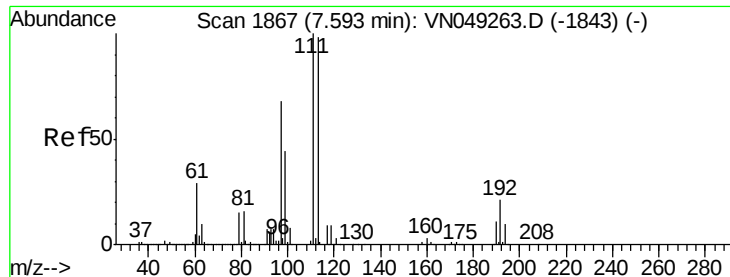
Ion Ratio Lower Upper

114 100

63 20.1 0.0 44.4

88 15.6 0.0 31.4





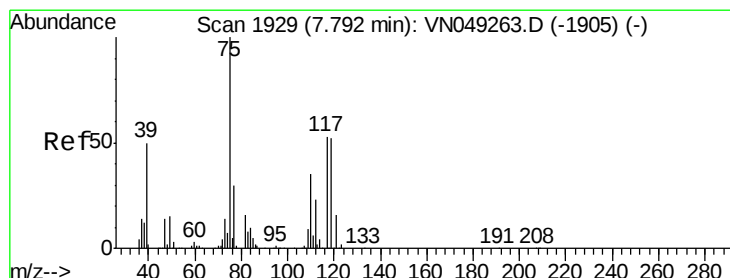
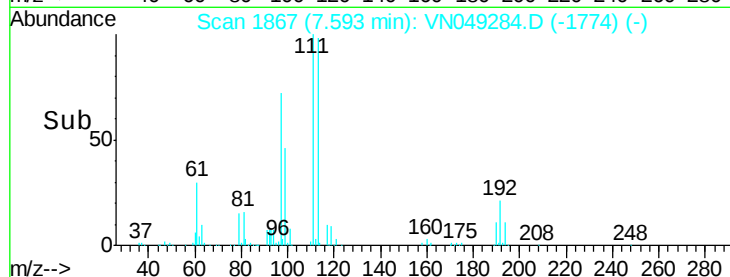
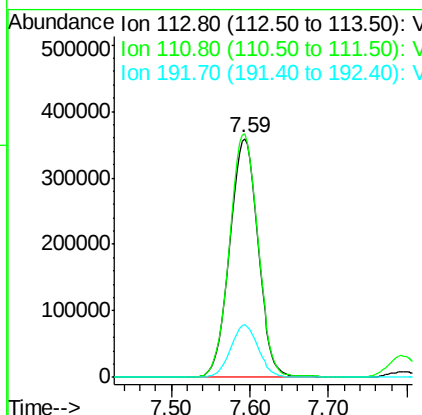
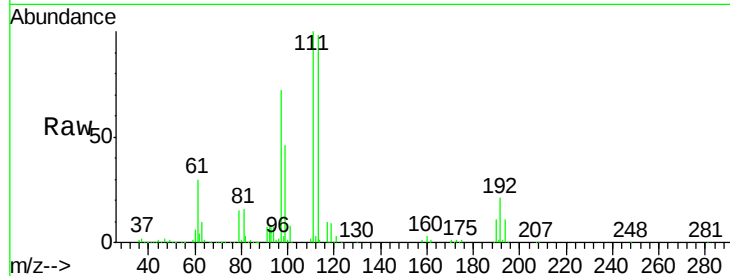
#35
 Dibromofluoromethane
 Concen: 51.31 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	901085		
111	102.3	82.4	123.6	
192	21.4	15.0	22.6	

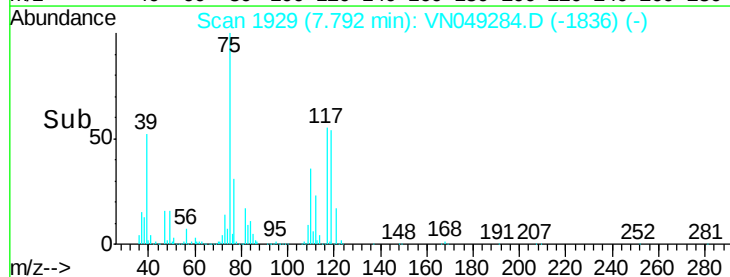
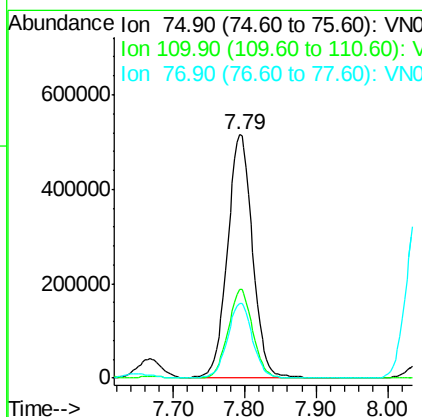
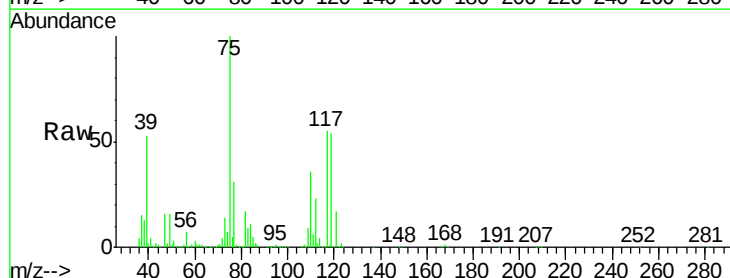
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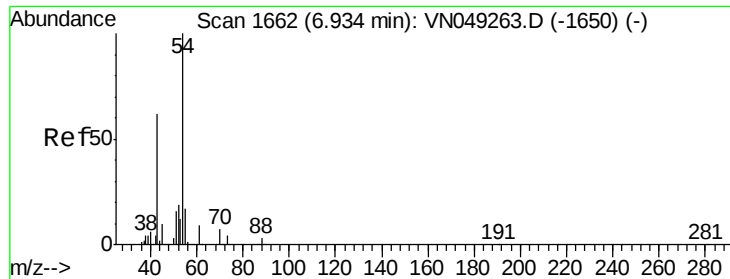
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#36
 1,1-Dichloropropene
 Concen: 50.54 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1257397		
110	35.7	17.0	50.9	
77	30.7	24.4	36.6	





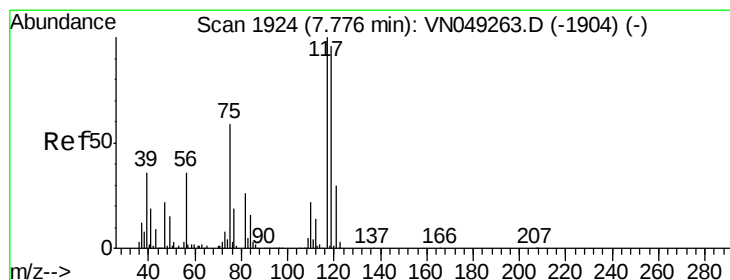
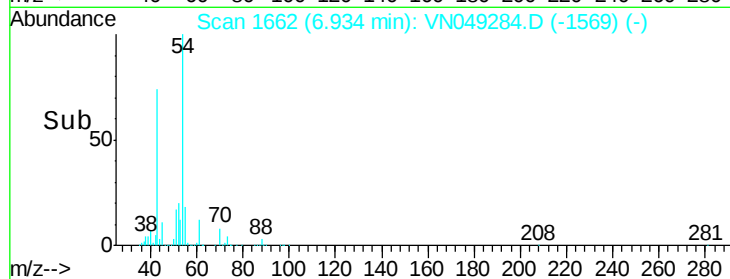
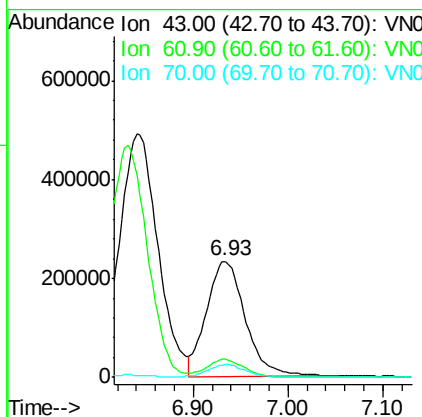
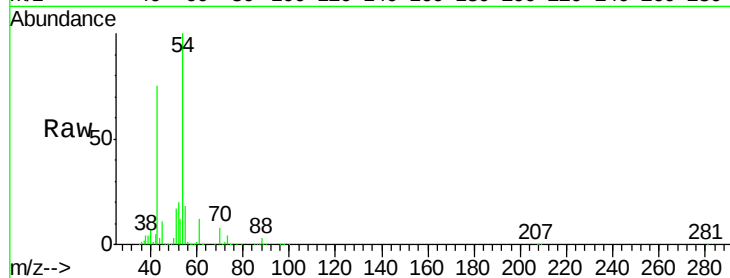
#37
Ethyl Acetate
Concen: 49.06 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.0	16.4
70	10.5	7.2	10.8

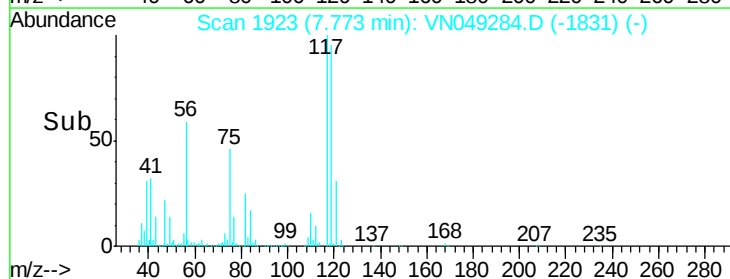
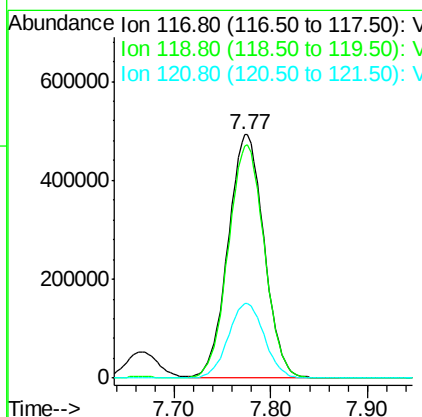
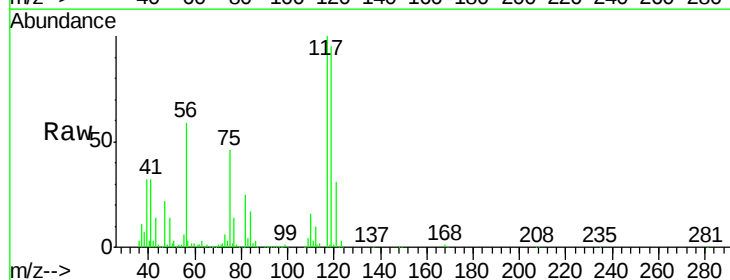
Manual Integrations
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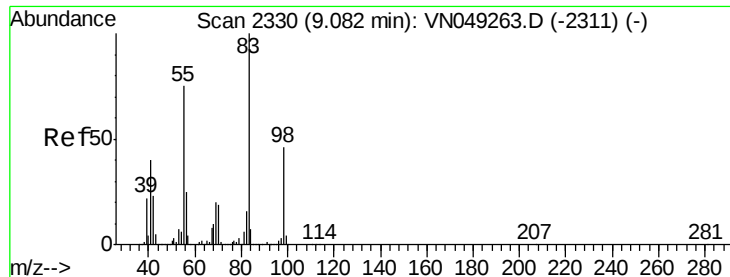
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#38
Carbon Tetrachloride
Concen: 49.11 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.6	113.4
121	30.7	24.7	37.1





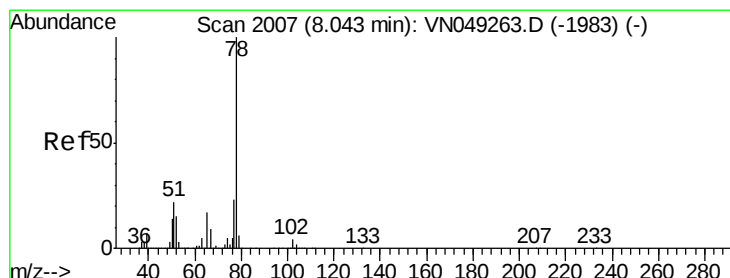
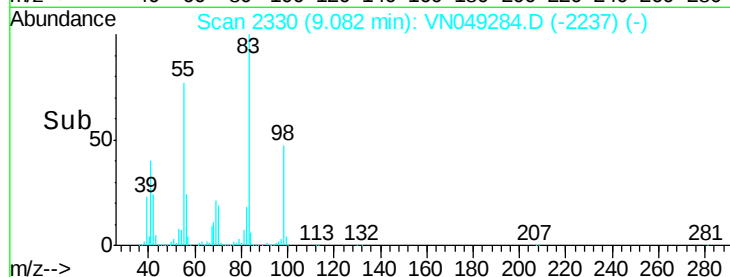
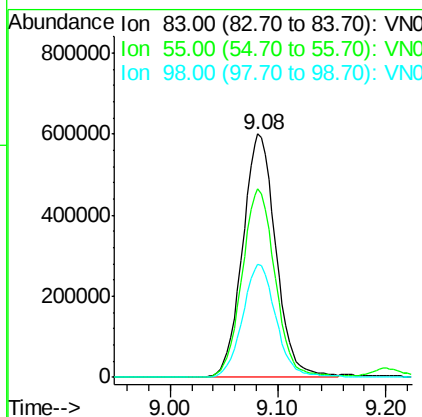
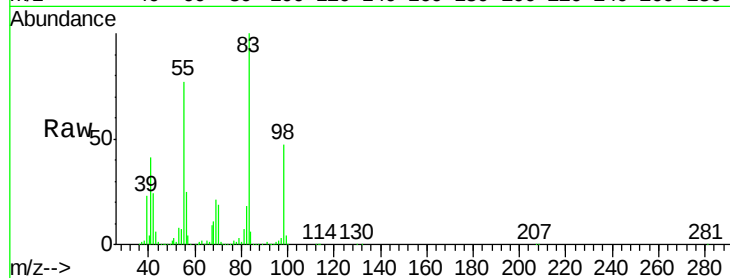
#39
Methvlcvclohexane
Concen: 48.16 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	65.1	97.7
98	46.5	36.5	54.7

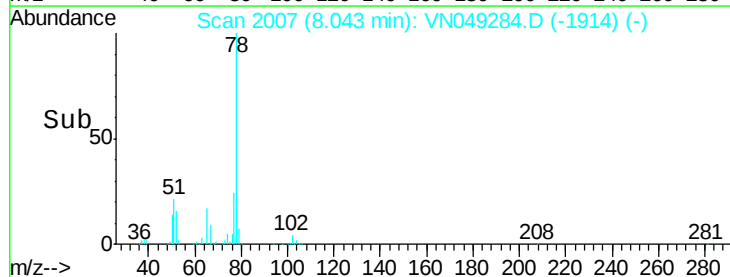
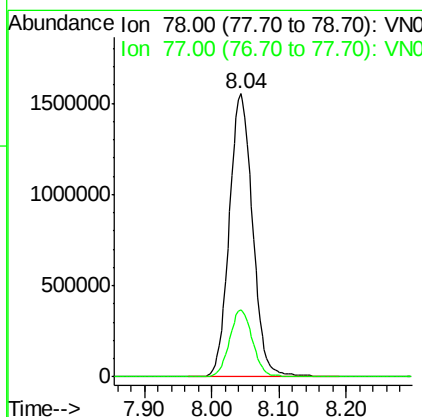
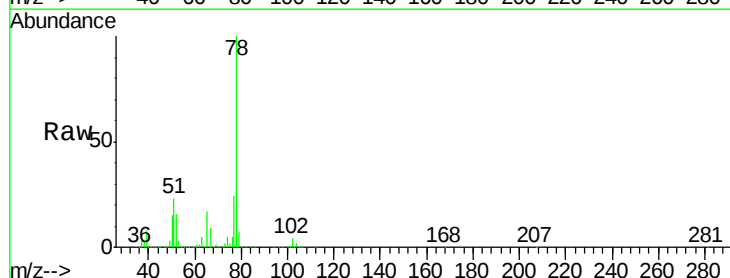
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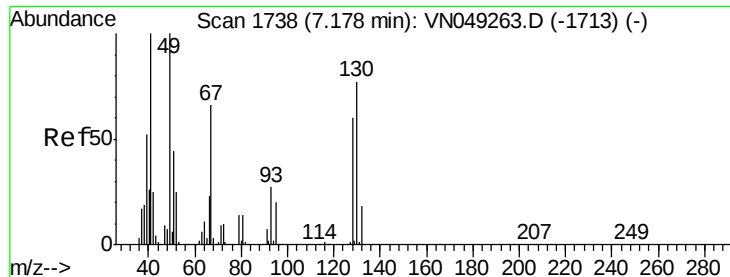
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#40
Benzene
Concen: 48.95 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0





#41

Methacrylonitrile

Concen: 45.97 ug/l

RT: 7.18 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 336086

Ion Ratio Lower Upper

41 100

39 61.7 0.0 0.0#

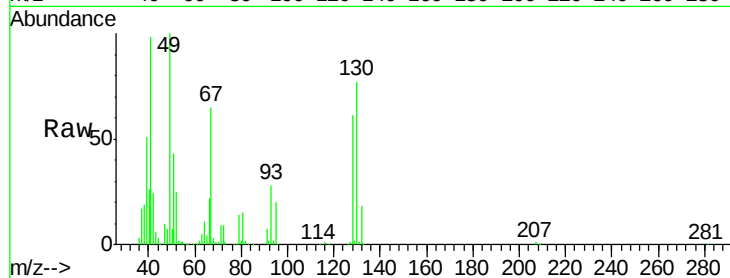
67 93.3 0.0 0.0#

52 37.6 0.0 0.0#

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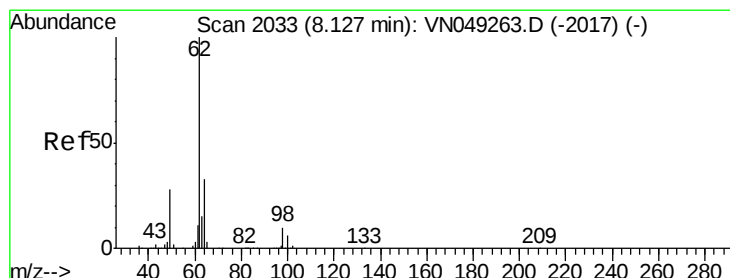
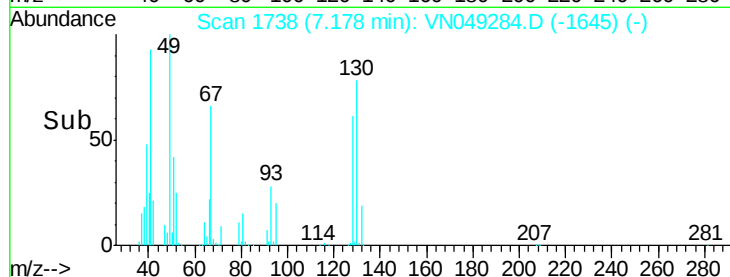
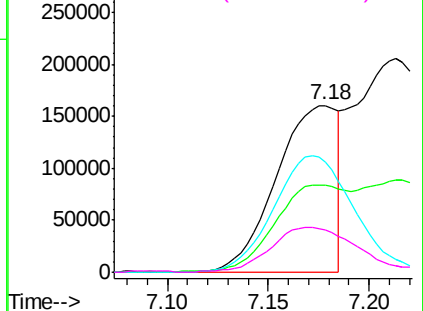
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 49.20 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. -0.00 min

Lab File: VN049284.D

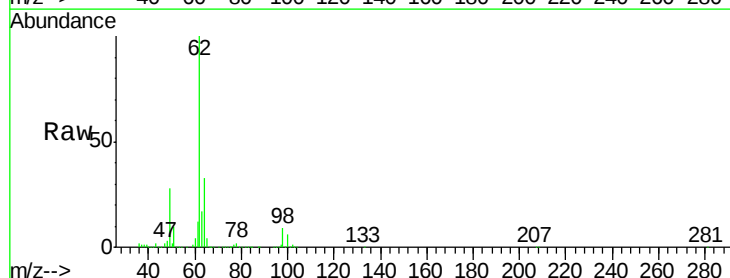
Acq: 16 Jun 2018 2:34

Tgt Ion: 62 Resp: 1159379

Ion Ratio Lower Upper

62 100

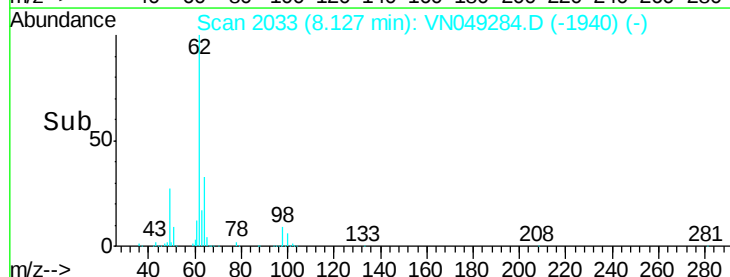
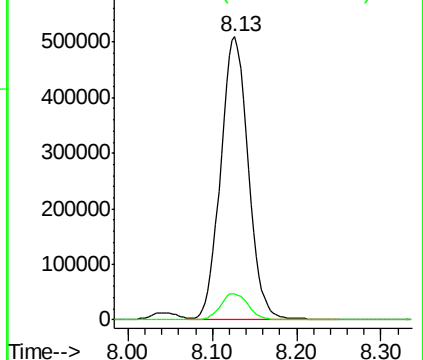
98 9.5 0.0 16.2

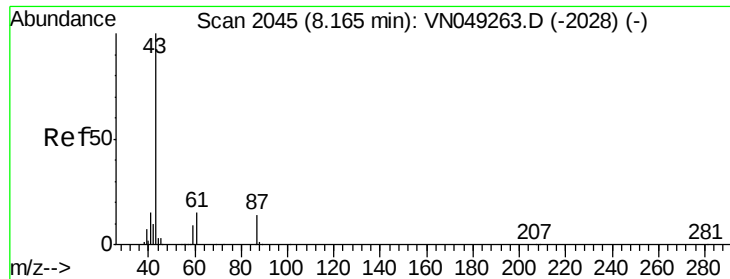


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 49.54 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1280094

Ion Ratio Lower Upper

43 100

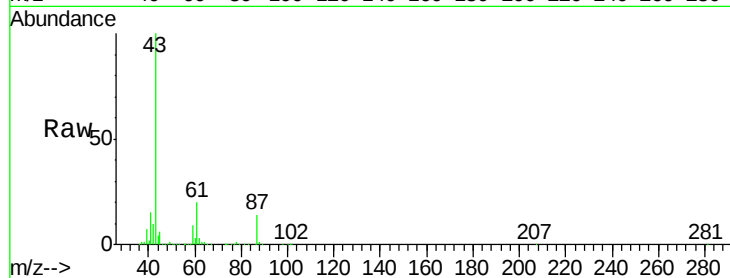
61 18.7 14.2 21.4

87 13.0 9.4 14.0

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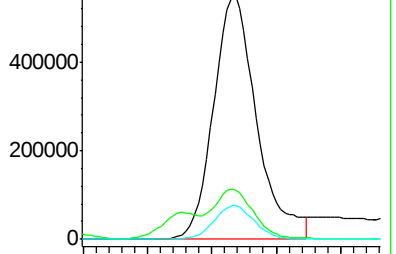
6/18/2018 3:16:16 PM



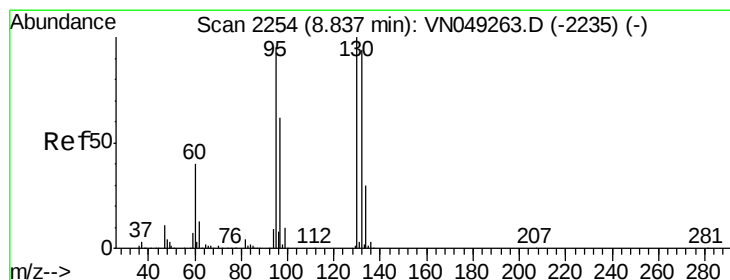
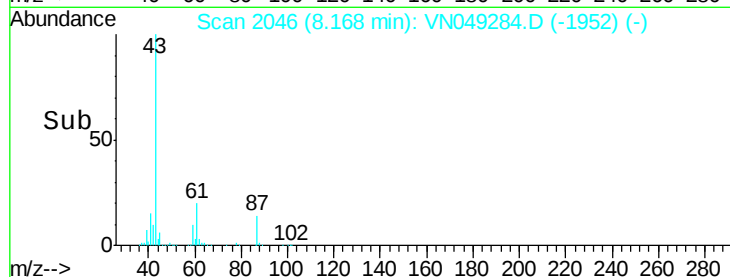
Abundance Ion 43.00 (42.70 to 43.70): VN049284.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049284.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049284.D (-1952) (-)



Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 48.90 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN049284.D

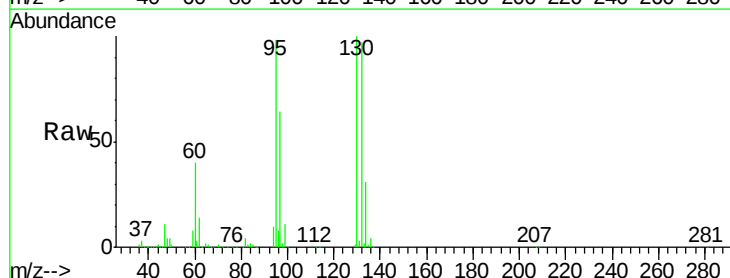
Acq: 16 Jun 2018 2:34

Tgt Ion: 130 Resp: 984949

Ion Ratio Lower Upper

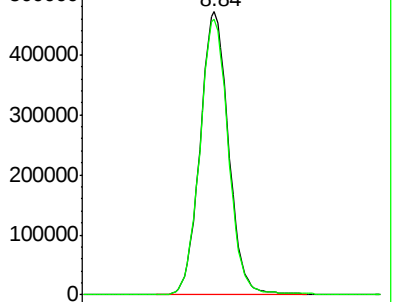
130 100

95 97.5 0.0 208.6

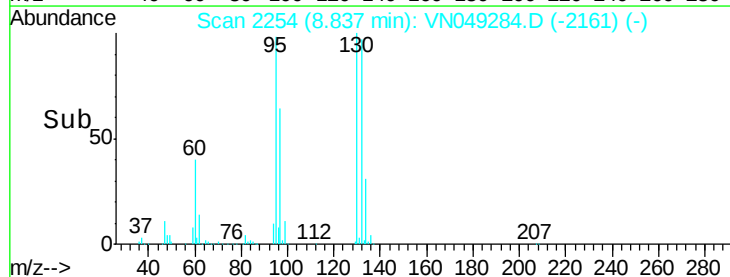


Abundance Ion 129.80 (129.50 to 130.50): VN049284.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049284.D (-2161) (-)



Time--> 8.70 8.80 8.90





#45

1,2-Dichloropropane

Concen: 50.05 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 999507

Ion Ratio Lower Upper

63 100

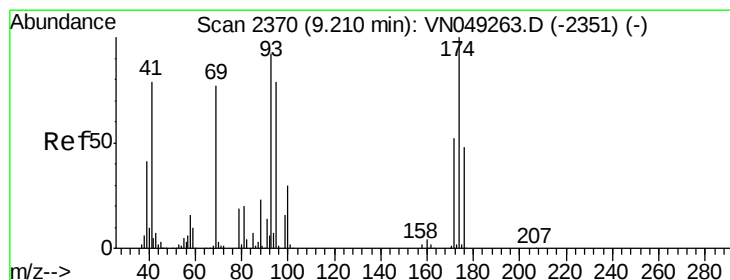
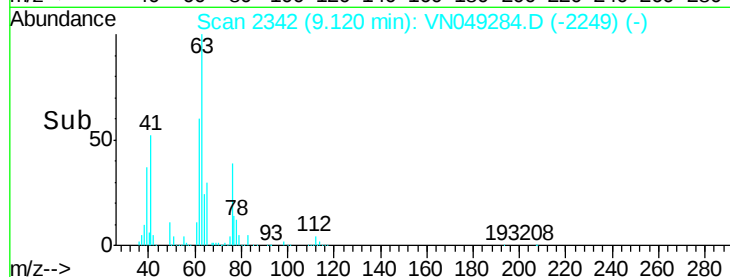
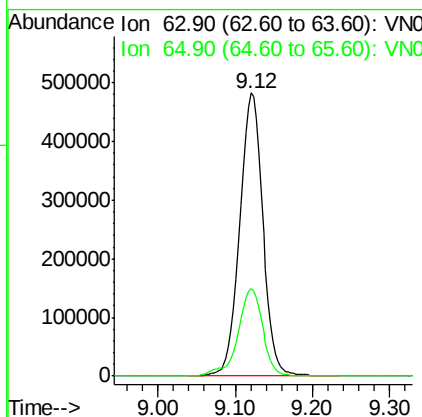
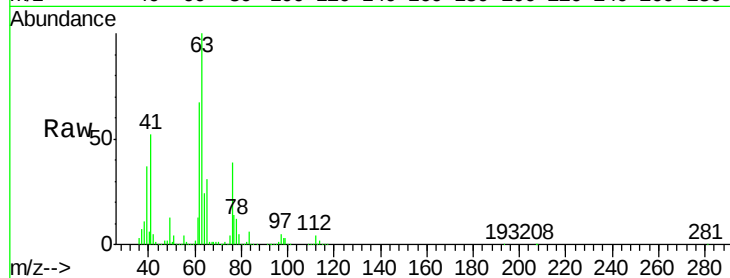
65 30.8 24.8 37.2

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#46

Dibromomethane

Concen: 48.86 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

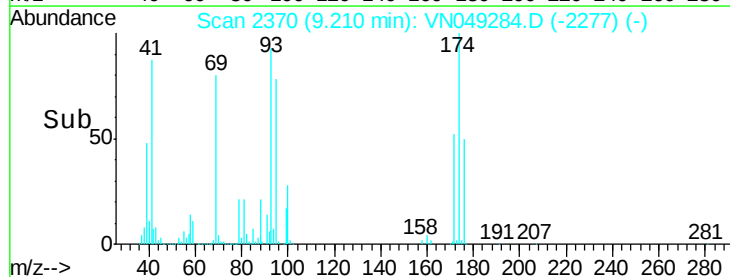
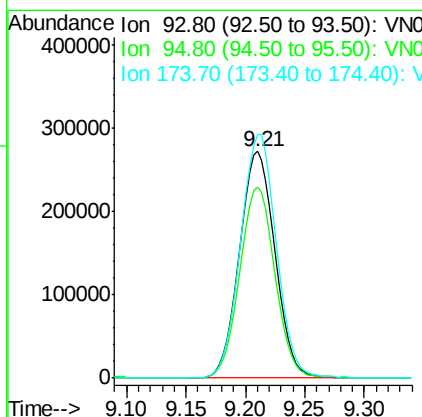
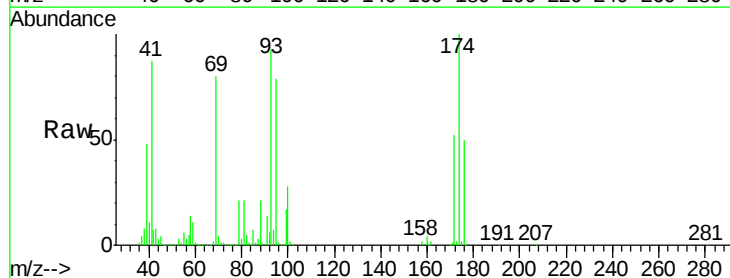
Tgt Ion: 93 Resp: 565732

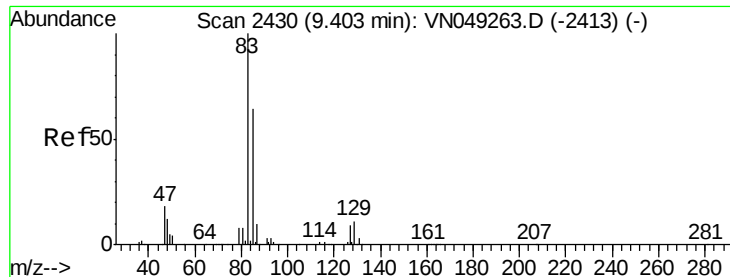
Ion Ratio Lower Upper

93 100

95 83.3 67.2 100.8

174 108.1 75.6 113.4





#47

Bromodichloromethane

Concen: 49.77 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1266420

Ion Ratio Lower Upper

83 100

85 63.5 49.4 74.0

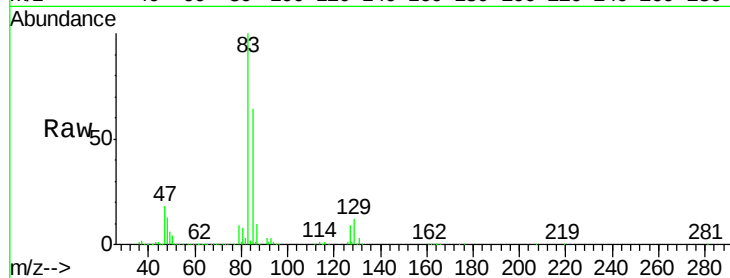
127 8.6 6.3 9.5

Manual Integrations

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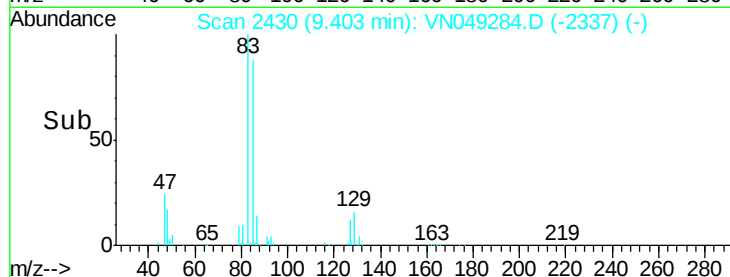


Abundance Ion 82.90 (82.60 to 83.60): VN049263.D (-2413) (-)

Ion 84.90 (84.60 to 85.60): VN049263.D (-2413) (-)

Ion 126.80 (126.50 to 127.50): VN049263.D (-2413) (-)

Time-->

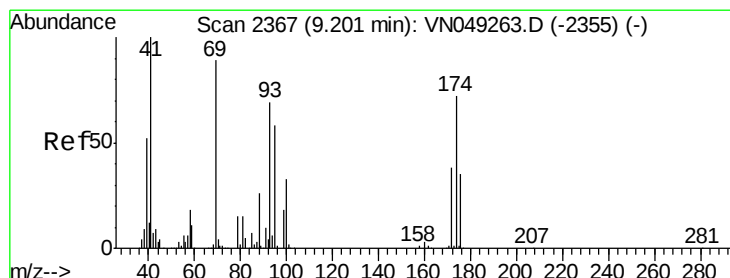


Abundance Ion 82.90 (82.60 to 83.60): VN049284.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049284.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049284.D (-2337) (-)

Time-->



#48

Methyl methacrylate

Concen: 49.98 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

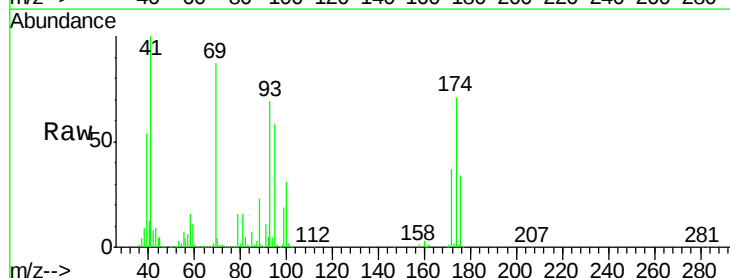
Tgt Ion: 41 Resp: 608167

Ion Ratio Lower Upper

41 100

69 90.4 62.0 93.0

39 54.2 50.6 75.8

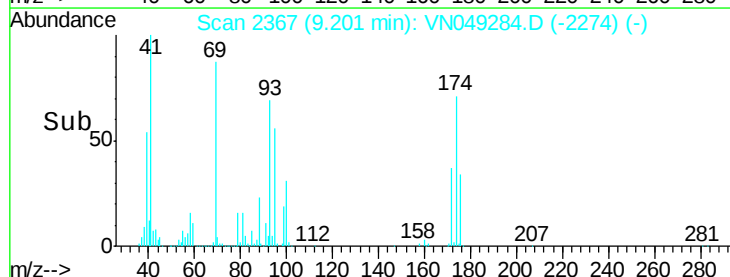


Abundance Ion 41.00 (40.70 to 41.70): VN049263.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN049263.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN049263.D (-2355) (-)

Time-->

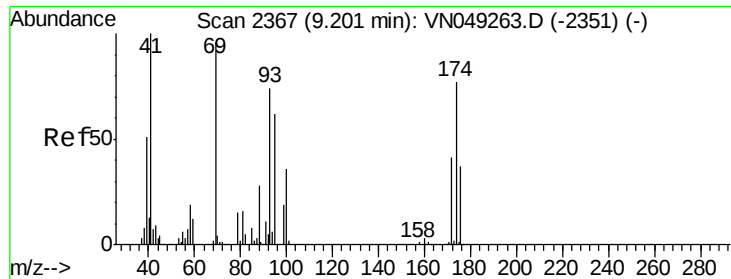


Abundance Ion 41.00 (40.70 to 41.70): VN049284.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049284.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049284.D (-2274) (-)

Time-->



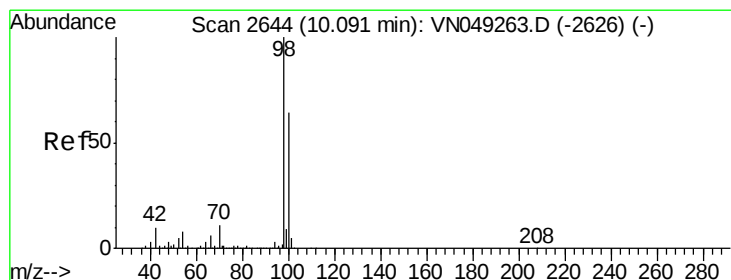
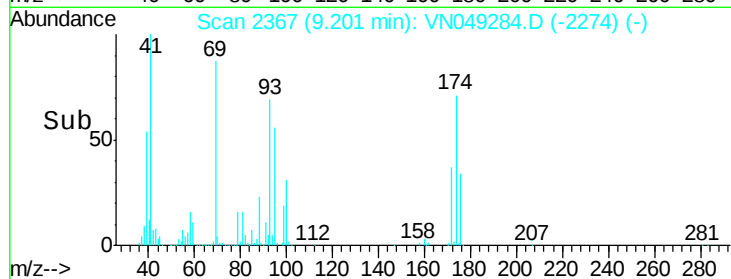
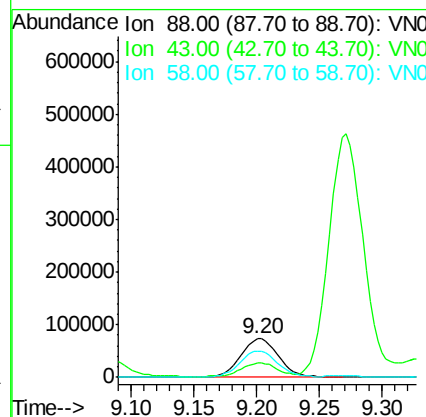
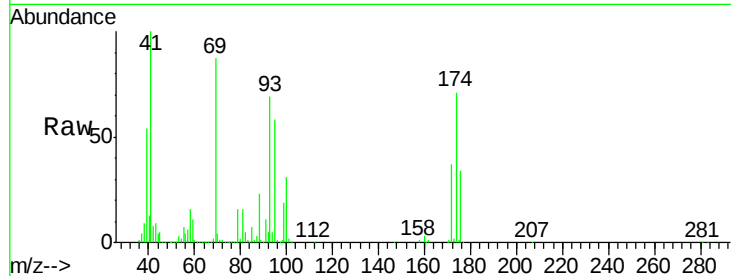
#49
1,4-Dioxane
Concen: 924.30 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	30.9	46.3
58	68.5	58.9	88.3

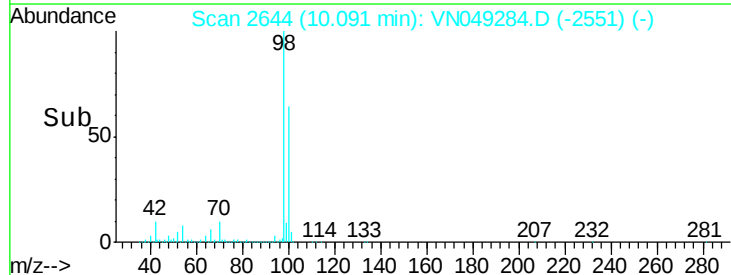
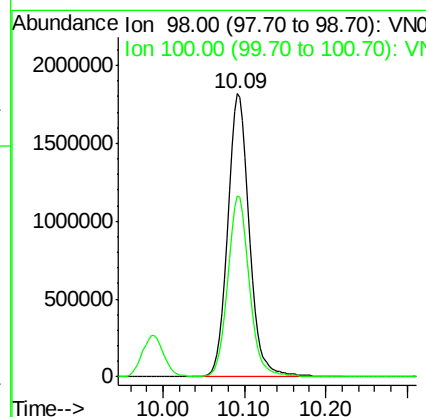
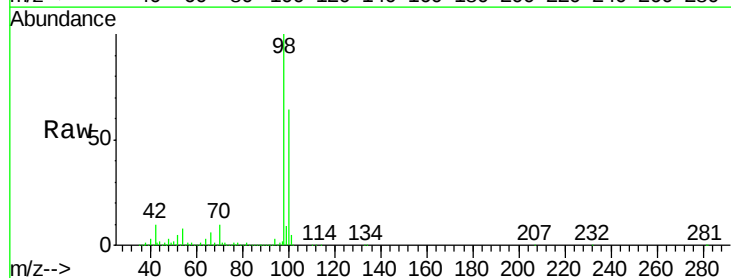
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#50
Toluene-d8
Concen: 51.08 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	49.8	74.8





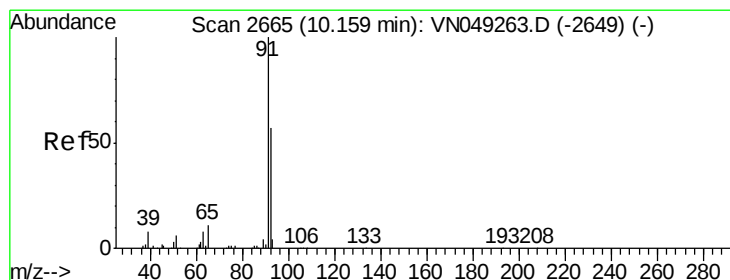
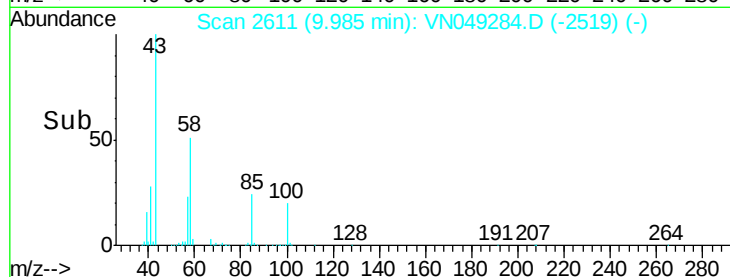
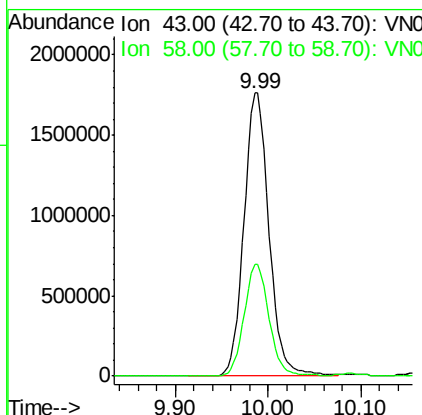
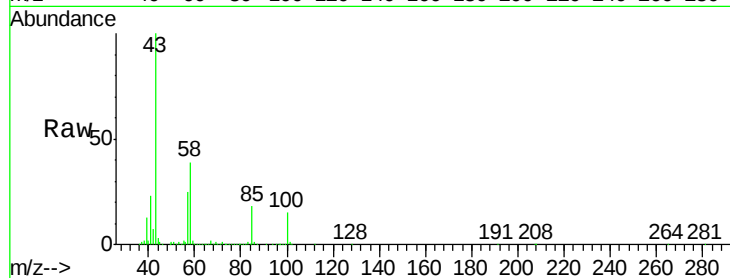
#51
4-Methyl-2-Pentanone
Concen: 243.82 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 3302023
Ion Ratio Lower Upper
43 100
58 39.4 29.0 43.6

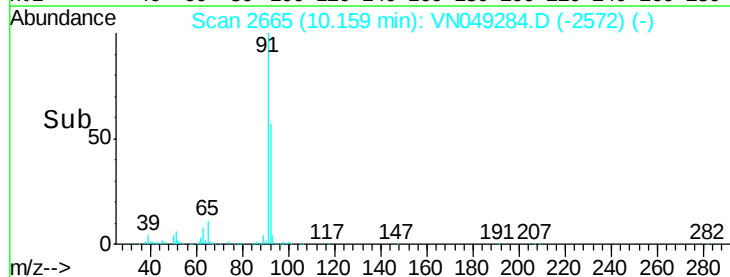
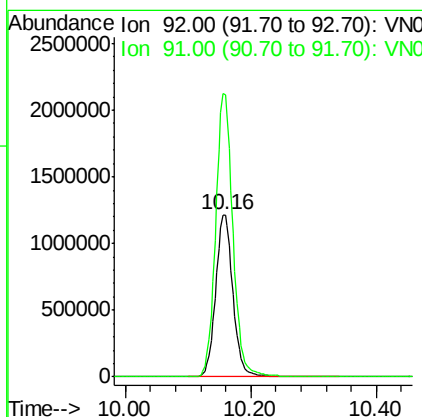
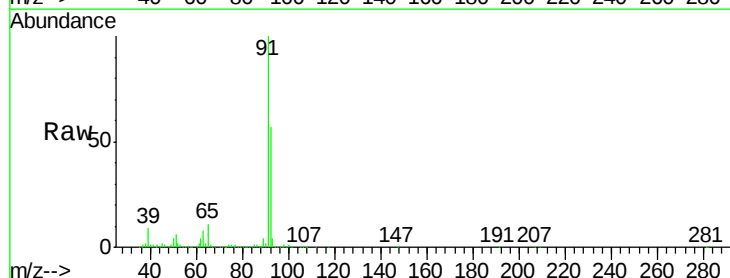
Manual Integrations
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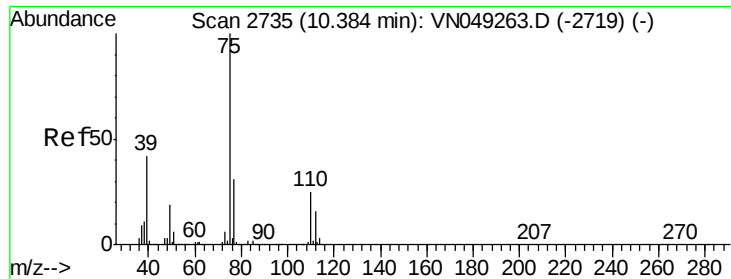
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#52
Toluene
Concen: 51.68 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 92 Resp: 2313189
Ion Ratio Lower Upper
92 100
91 175.2 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 48.61 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 1183348

Ion Ratio Lower Upper

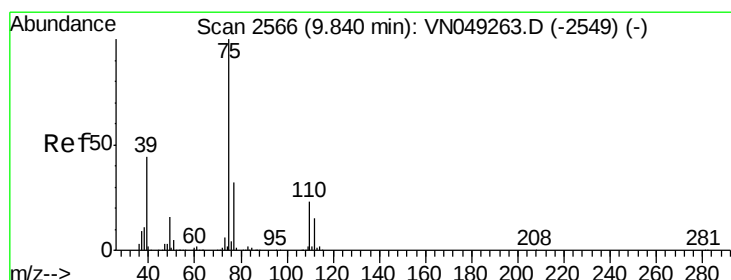
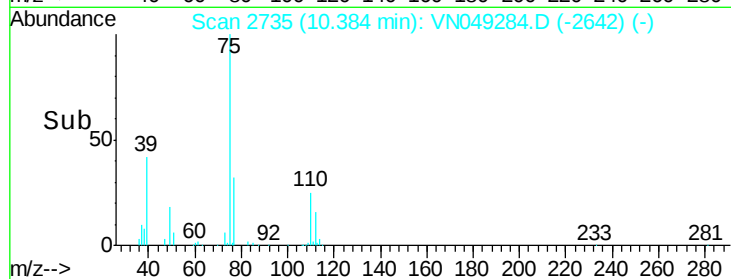
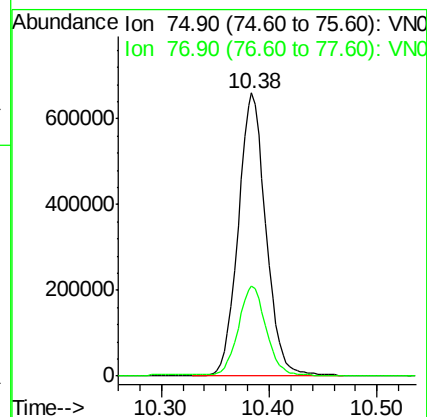
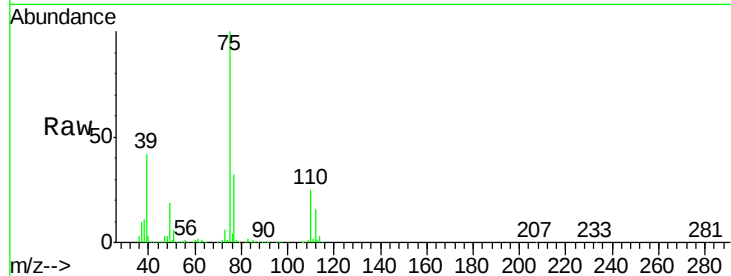
75 100

77 31.5 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 49.12 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

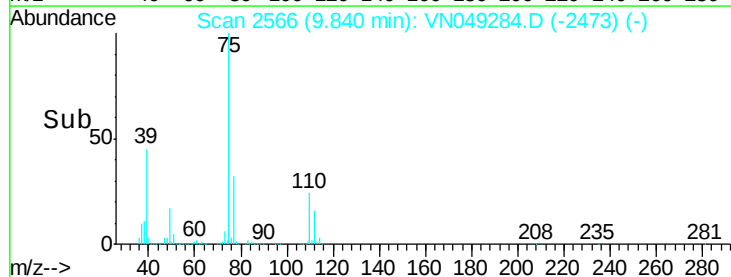
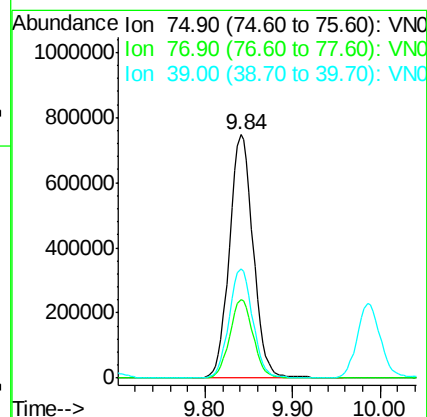
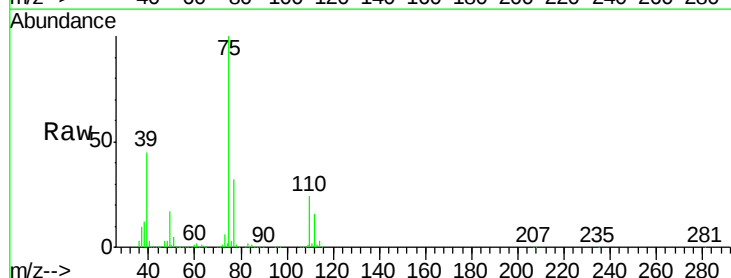
Tgt Ion: 75 Resp: 1411757

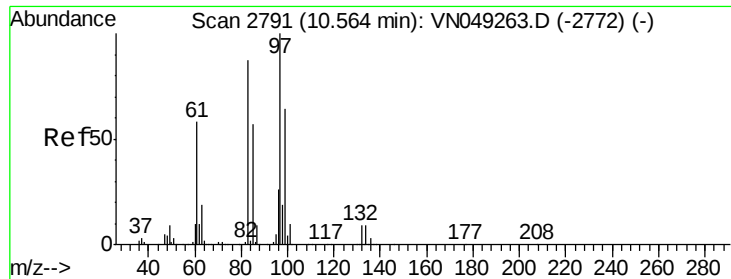
Ion Ratio Lower Upper

75 100

77 32.4 24.8 37.2

39 45.0 45.1 67.7#





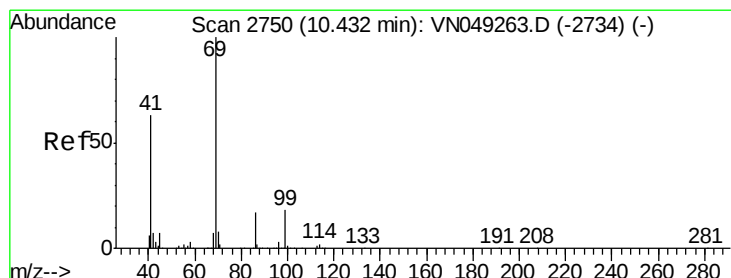
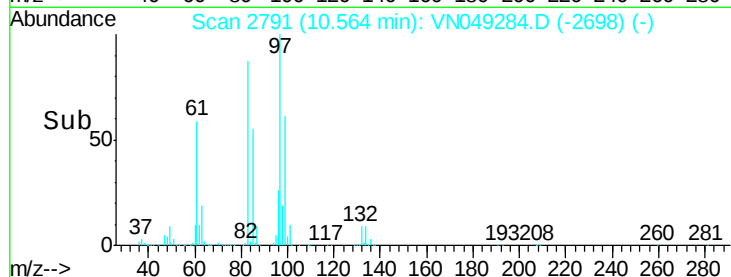
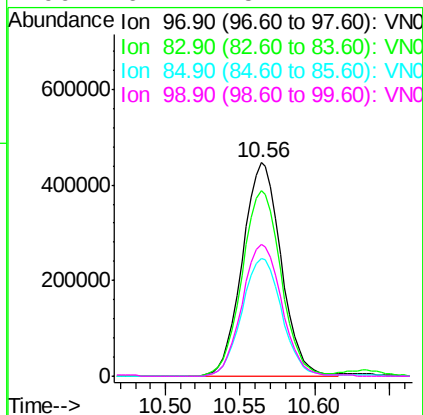
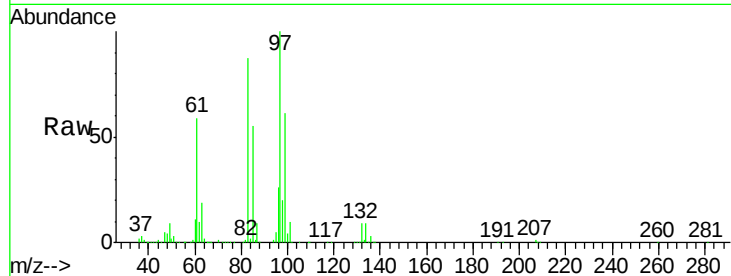
#55
 1,1,2-Trichloroethane
 Concen: 48.33 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.1	71.5	107.3
85	55.2	47.0	70.4
99	61.4	51.4	77.2

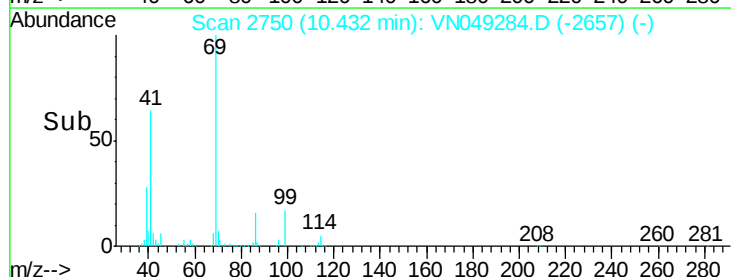
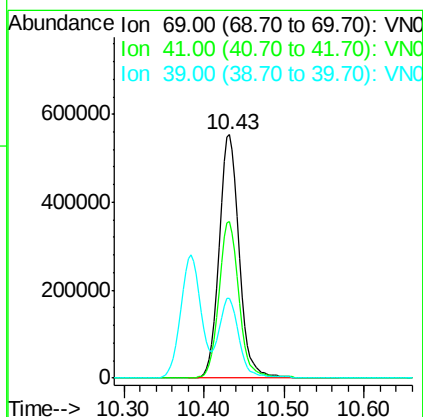
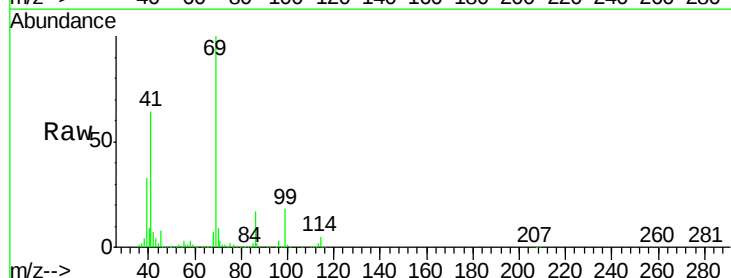
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 50.05 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.3	58.4	87.6
39	33.0	35.5	53.3#





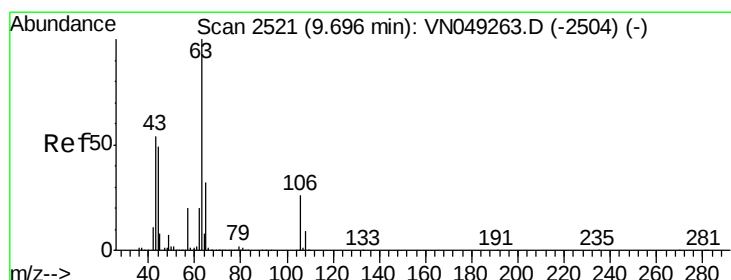
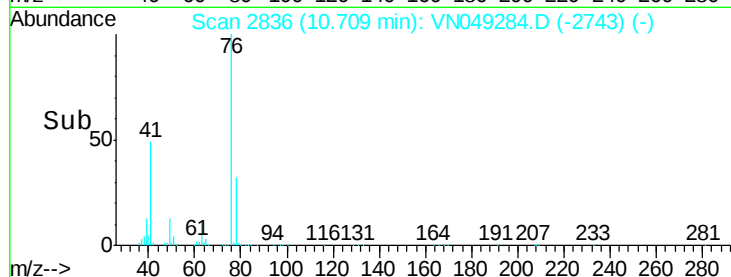
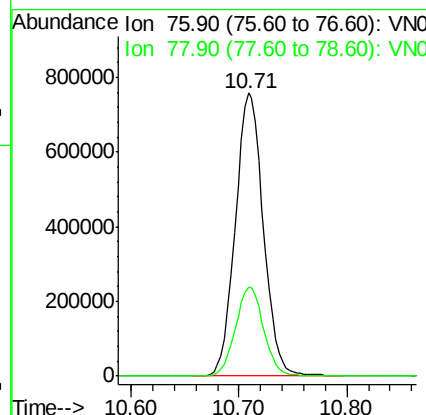
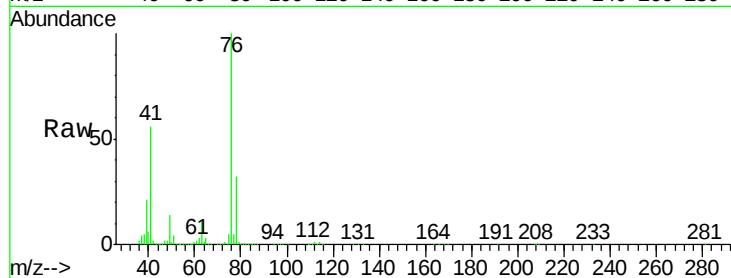
#57
 1,3-Dichloropropane
 Concen: 49.68 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 1373362
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.3 39.5

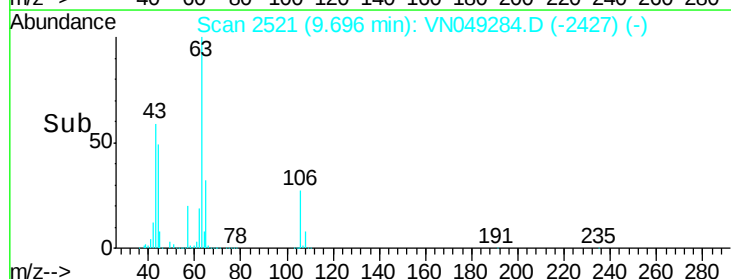
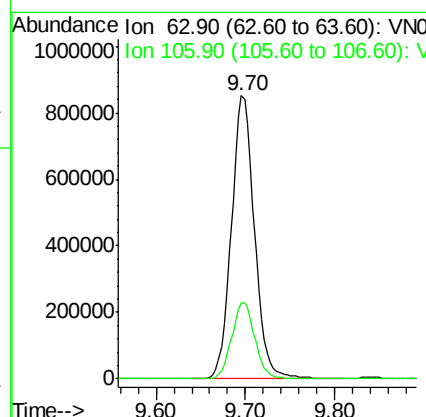
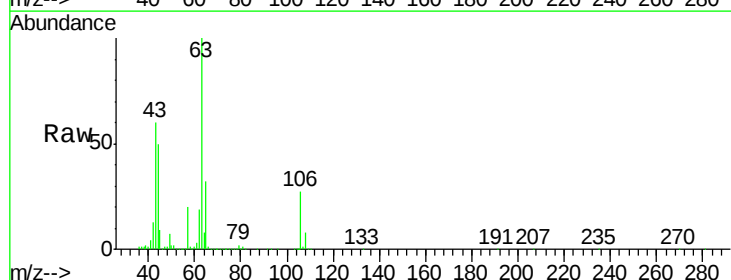
Manual Integrations
 APPROVED

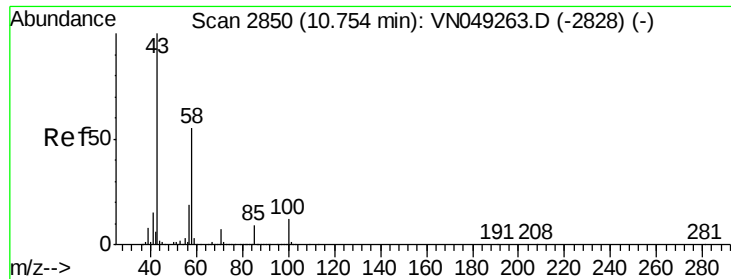
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 6/18/2018 3:16:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 223.02 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Tgt Ion: 63 Resp: 1523663
 Ion Ratio Lower Upper
 63 100
 106 27.2 19.4 29.2





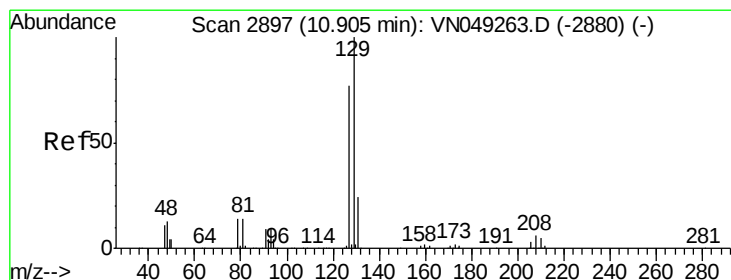
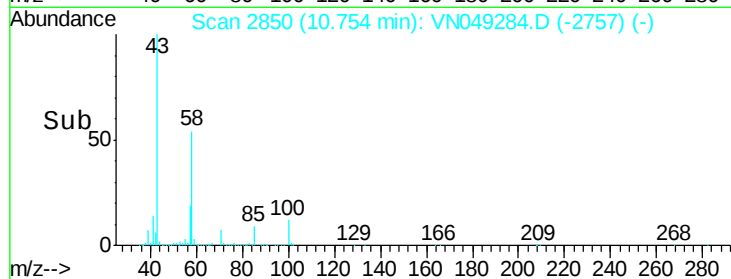
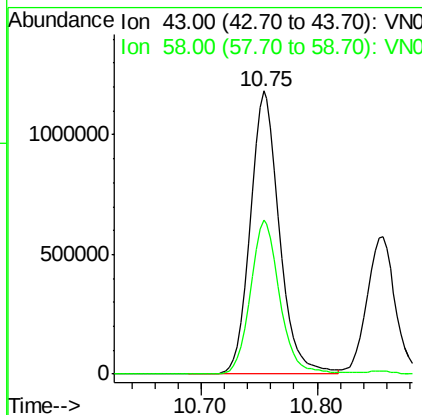
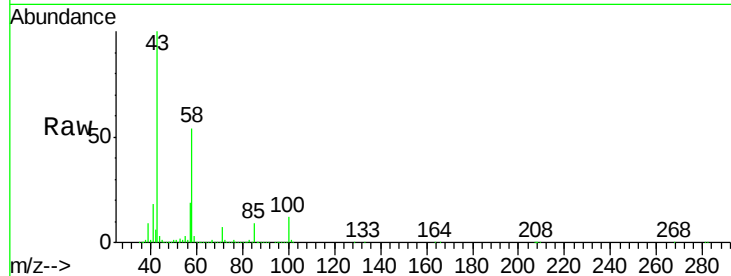
#59
2-Hexanone
Concen: 237.18 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2070872
Ion Ratio Lower Upper
43 100
58 54.8 25.2 75.6

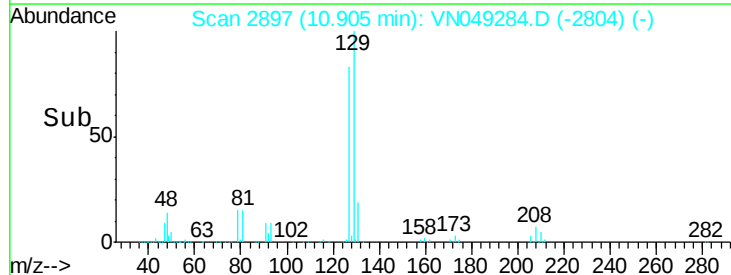
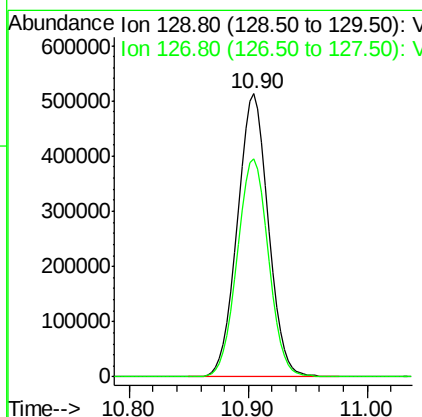
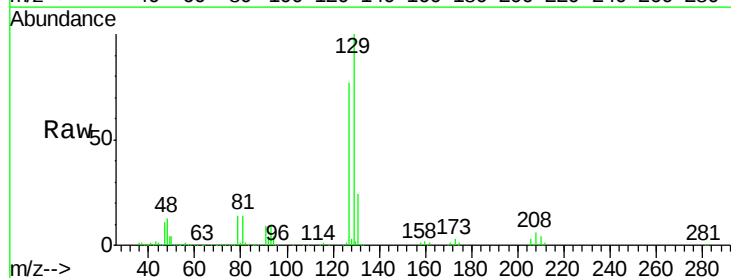
Manual Integrations
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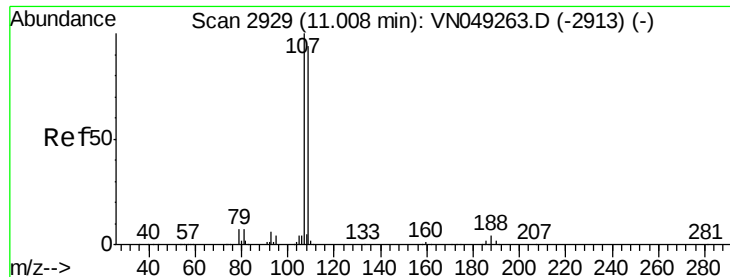
MMDadoda
6/18/2018 3:16:16 PM



#60
Dibromochloromethane
Concen: 49.74 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 129 Resp: 926381
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 48.83 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 757432

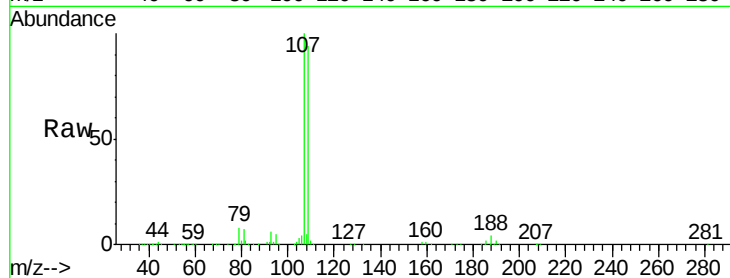
Ion Ratio Lower Upper

107 100

109 94.6 75.4 113.2

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



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

400000

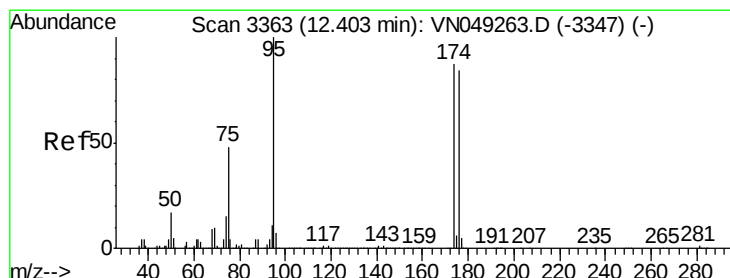
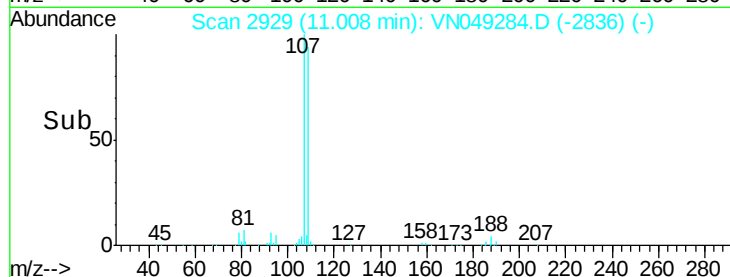
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 51.68 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

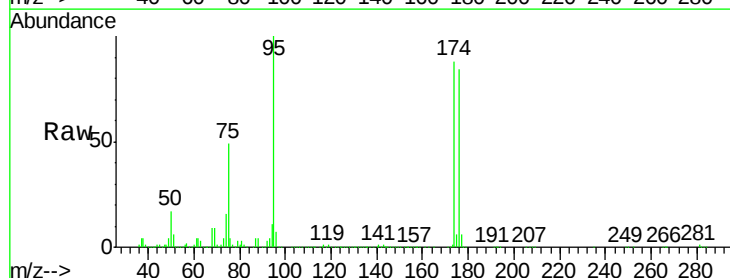
Tgt Ion: 95 Resp: 1142570

Ion Ratio Lower Upper

95 100

174 87.8 0.0 165.6

176 85.1 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

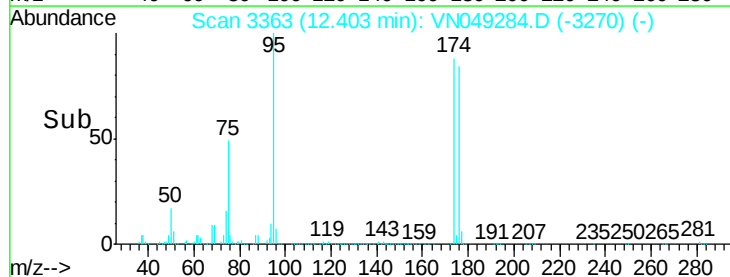
600000

400000

200000

0

Time--> 12.30 12.40 12.50





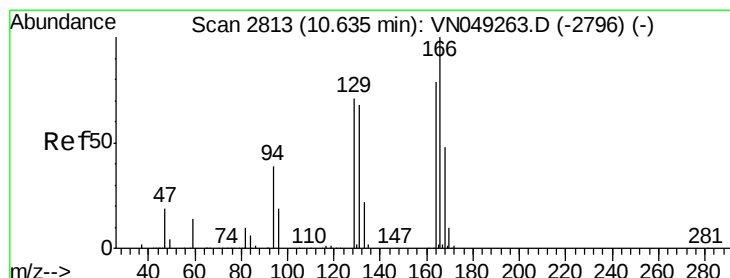
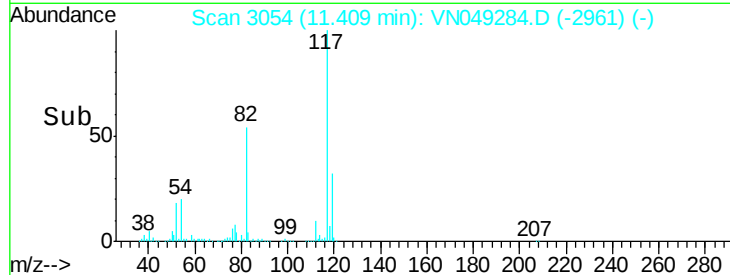
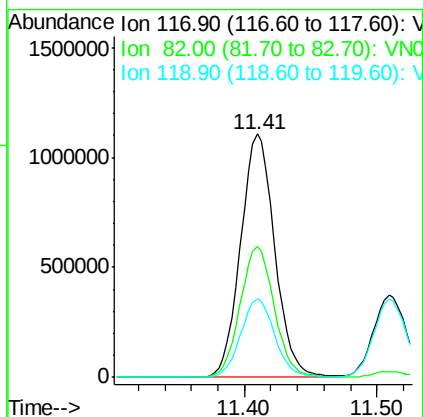
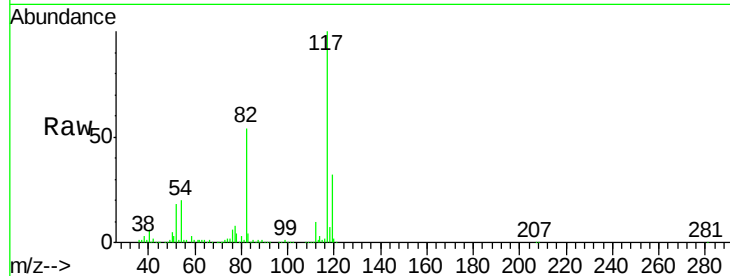
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:117 Resp: 1978558
Ion Ratio Lower Upper
117 100
82 53.7 45.9 68.9
119 32.2 25.5 38.3

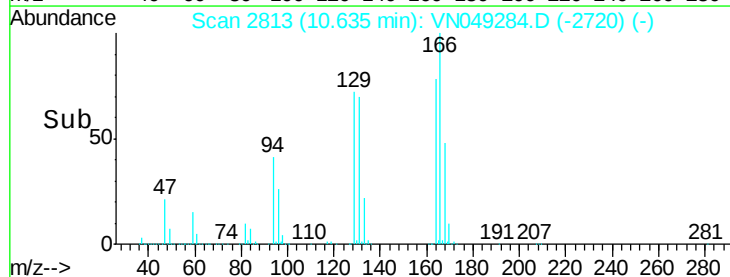
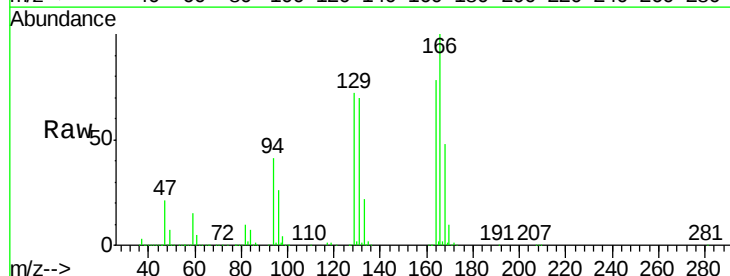
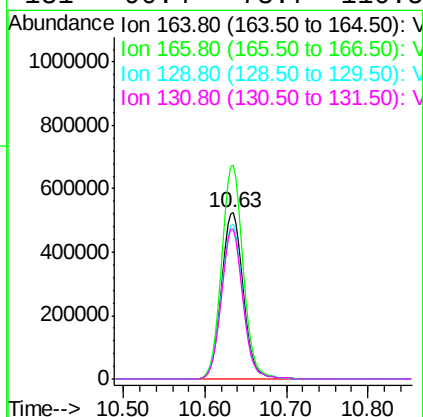
Manual Integrations
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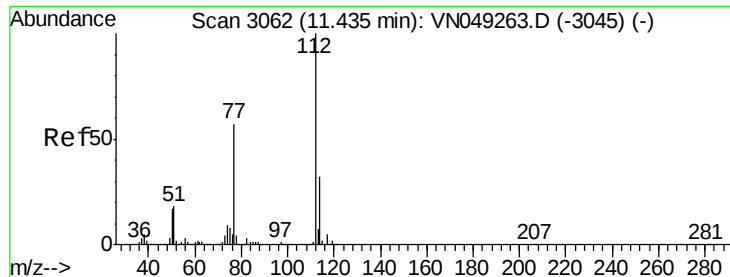
MMDadoda
6/18/2018 3:16:16 PM



#64
Tetrachloroethene
Concen: 48.98 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion:164 Resp: 993111
Ion Ratio Lower Upper
164 100
166 128.8 101.4 152.2
129 93.2 74.1 111.1
131 90.4 73.7 110.5





#65

Chlorobenzene

Concen: 48.88 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2491308

Ion Ratio Lower Upper

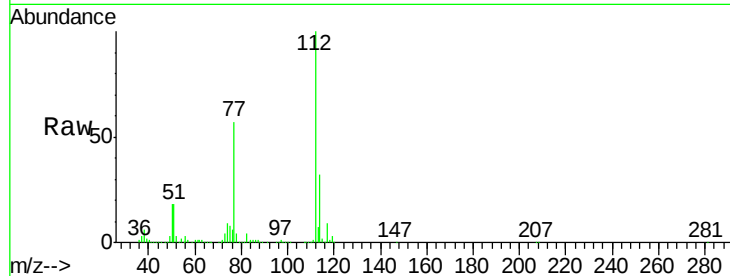
112 100

114 32.0 26.2 39.4

Manual Integrations
APPROVED

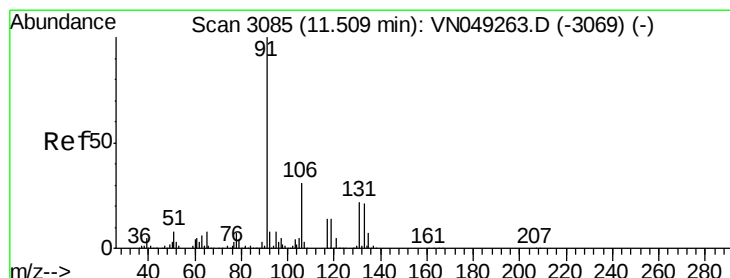
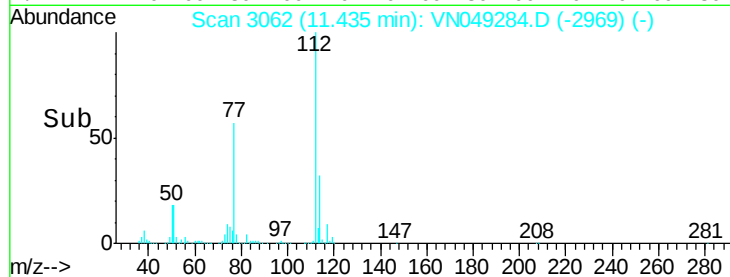
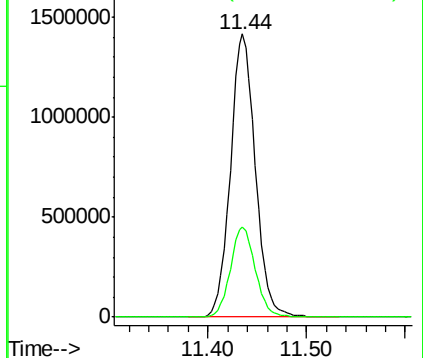
MMDadoda

6/18/2018 3:16:16 PM



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: 49.15 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

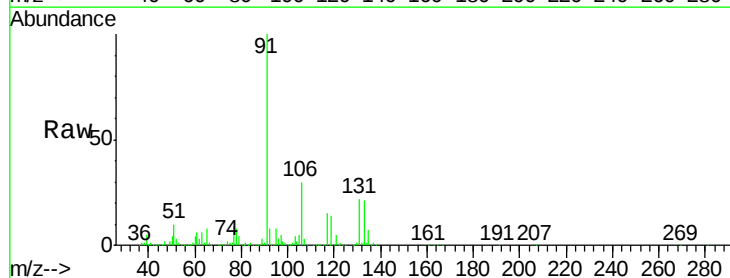
Tgt Ion:131 Resp: 942818

Ion Ratio Lower Upper

131 100

133 95.0 48.0 144.2

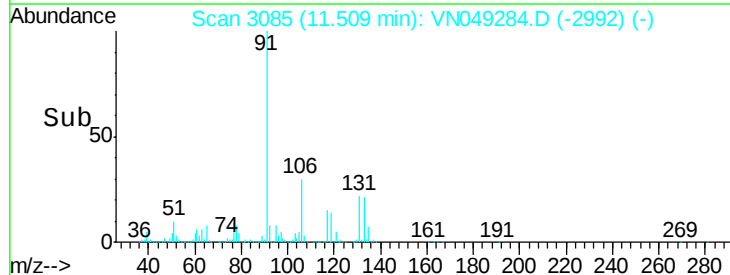
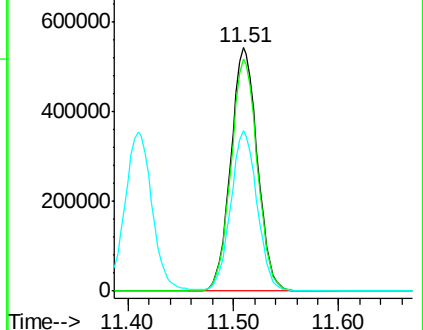
119 65.5 33.6 100.8

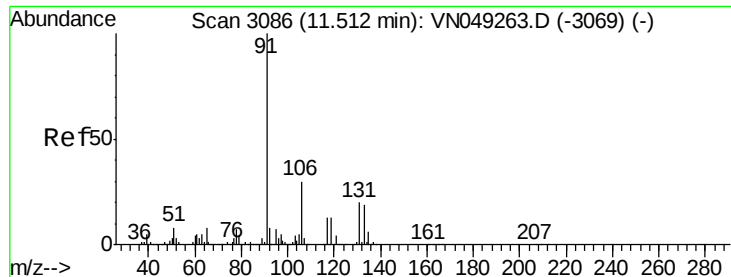


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





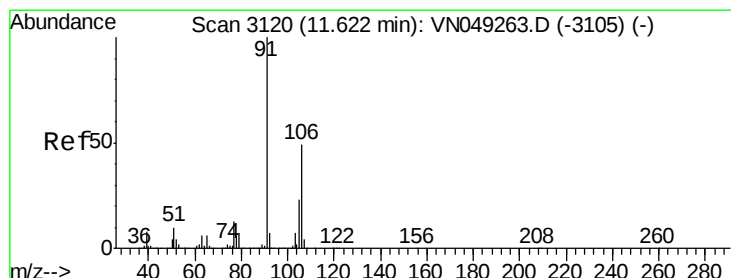
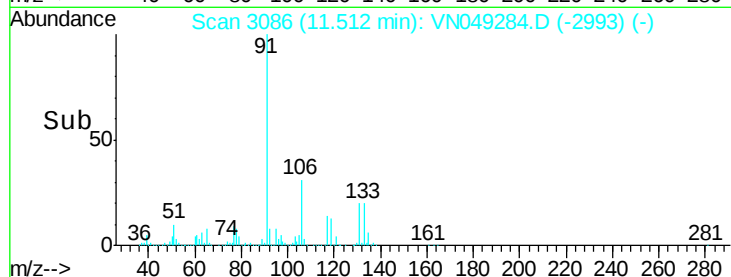
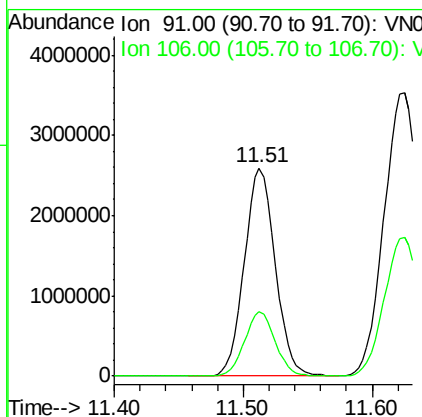
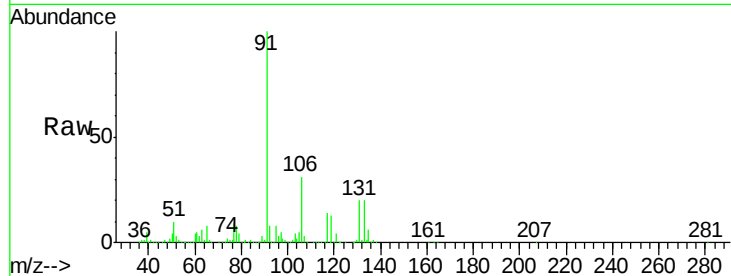
#67
Ethyl Benzene
Concen: 51.28 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 4335082
Ion Ratio Lower Upper
91 100
106 30.8 23.9 35.9

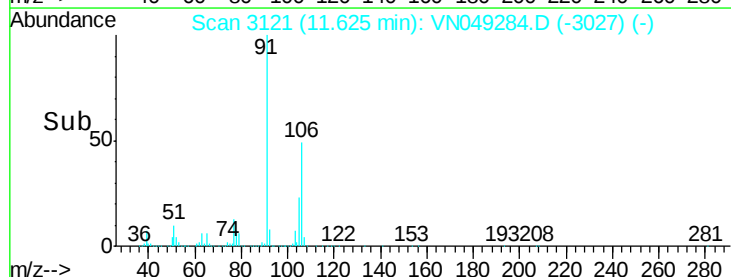
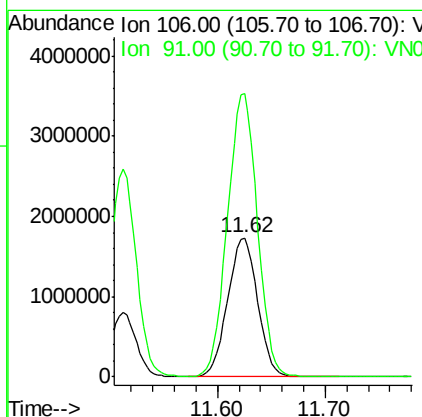
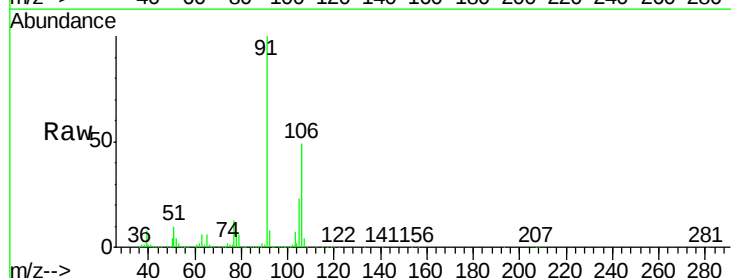
Manual Integrations
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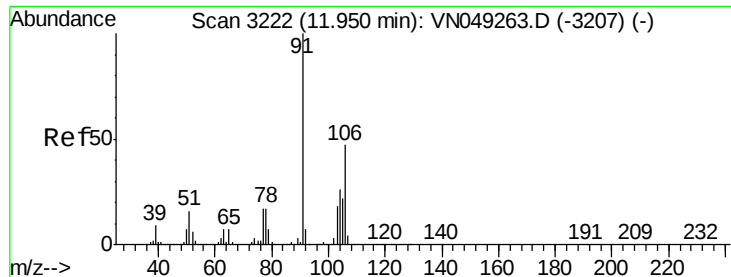
MMDadoda
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#68
m/p-Xylenes
Concen: 105.53 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion: 106 Resp: 3348182
Ion Ratio Lower Upper
106 100
91 204.0 167.3 250.9





#69

o-Xylene

Concen: 52.76 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:106 Resp: 1612357

Ion Ratio Lower Upper

106 100

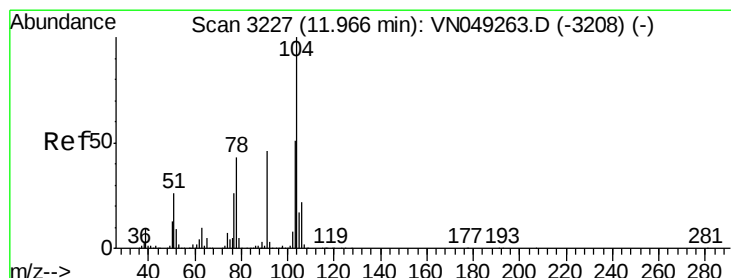
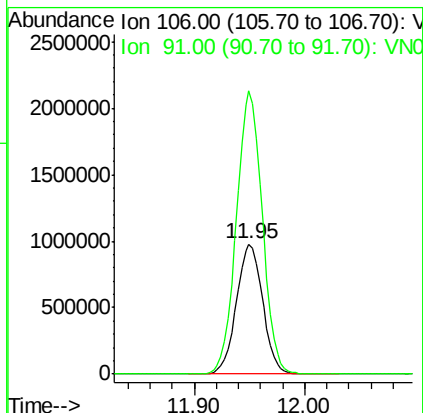
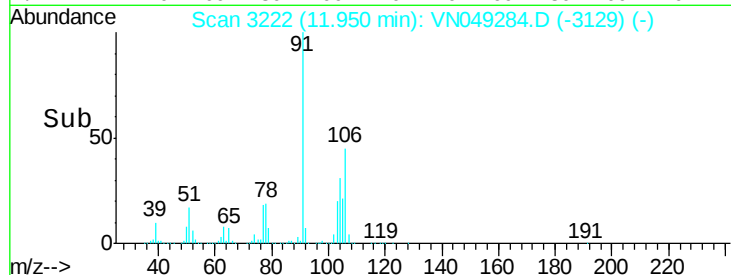
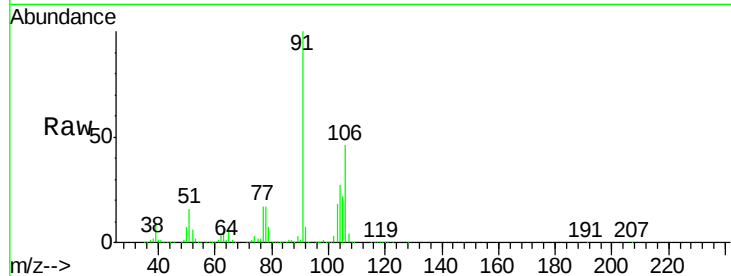
91 214.7 111.0 333.0

Manual Integrations

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#70

Styrene

Concen: 54.42 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

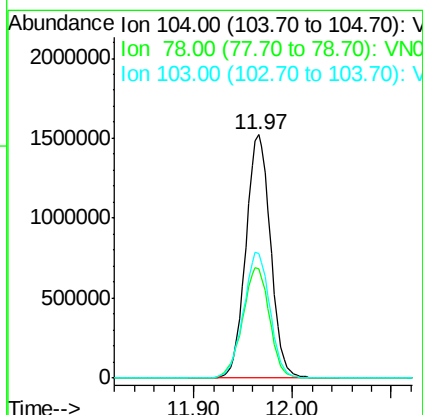
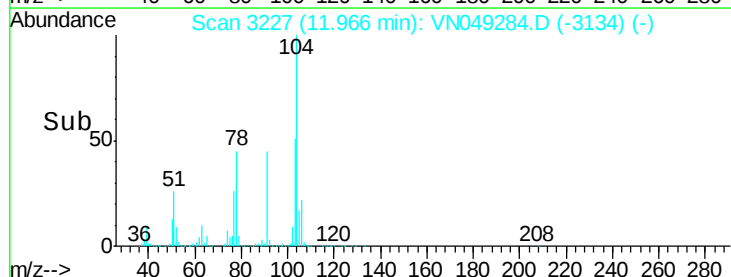
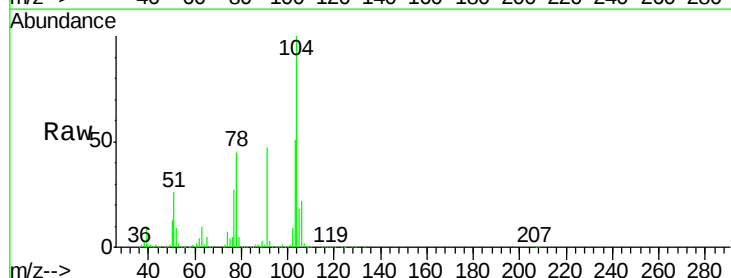
Tgt Ion:104 Resp: 2623642

Ion Ratio Lower Upper

104 100

78 49.4 41.6 62.4

103 55.6 45.4 68.2





#71

Bromoform

Concen: 49.40 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 613353

Ion Ratio Lower Upper

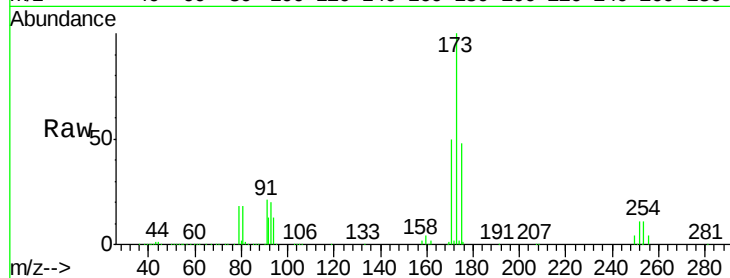
173 100

175 48.5 24.5 73.5

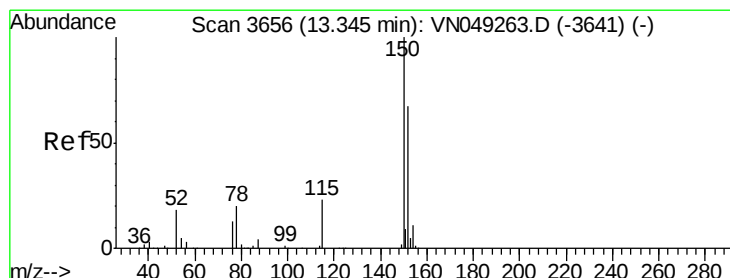
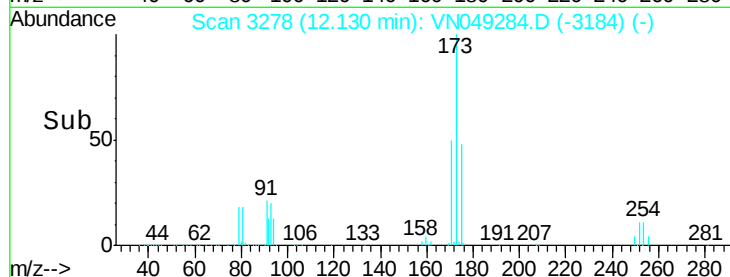
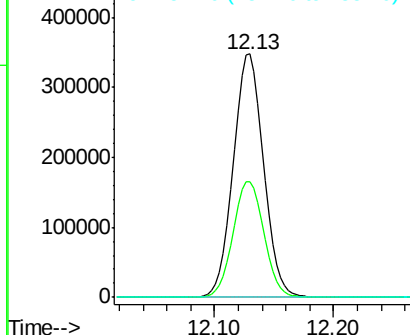
254 0.0 0.1 0.1#

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: VN049284.D

Acq: 16 Jun 2018 2:34

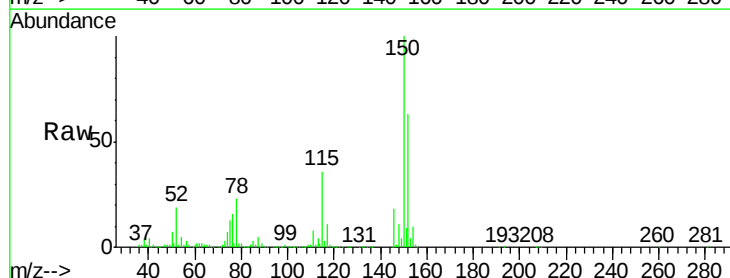
Tgt Ion:152 Resp: 1019940

Ion Ratio Lower Upper

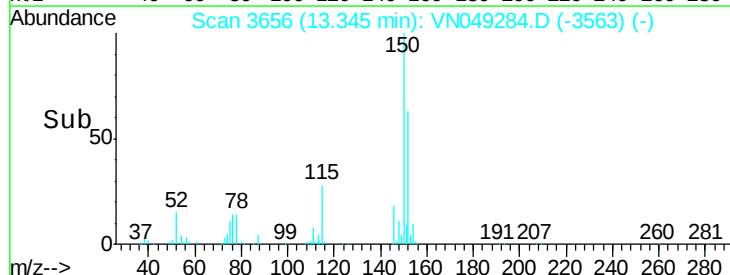
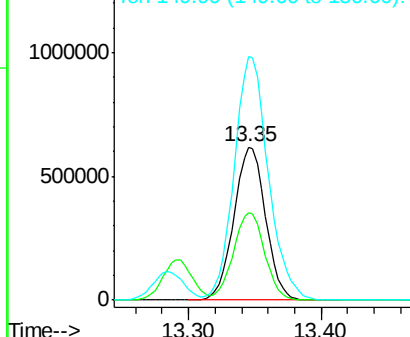
152 100

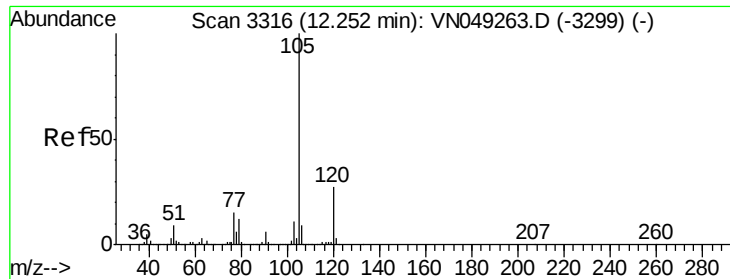
115 56.6 28.7 86.1

150 172.0 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: 48.01 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4299791

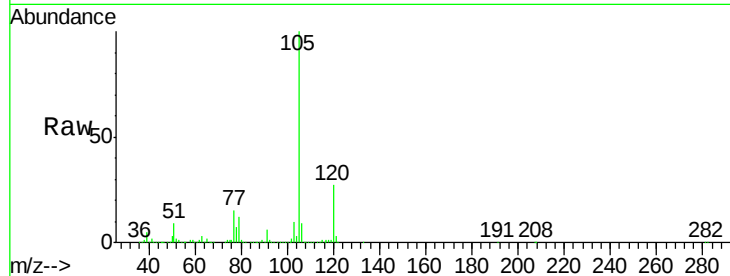
Ion Ratio Lower Upper

105 100

120 26.4 12.8 38.3

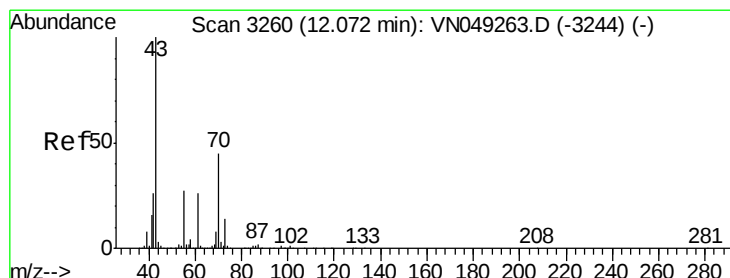
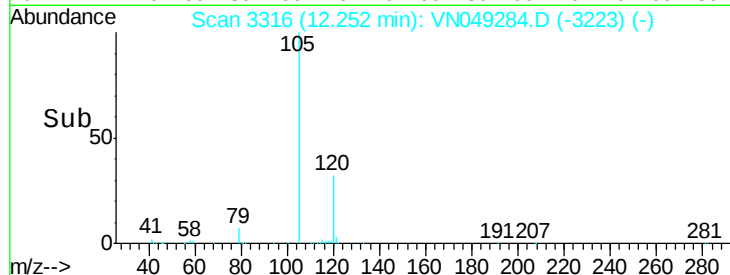
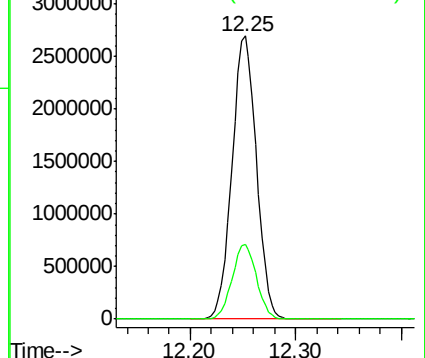
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.68 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Tgt Ion: 43 Resp: 1001929

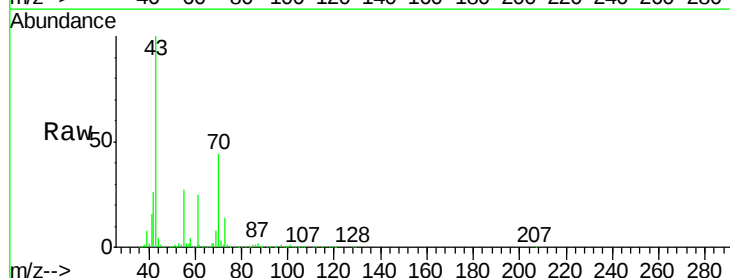
Ion Ratio Lower Upper

43 100

70 44.0 30.3 45.5

55 27.2 19.4 29.2

61 24.8 17.8 26.6

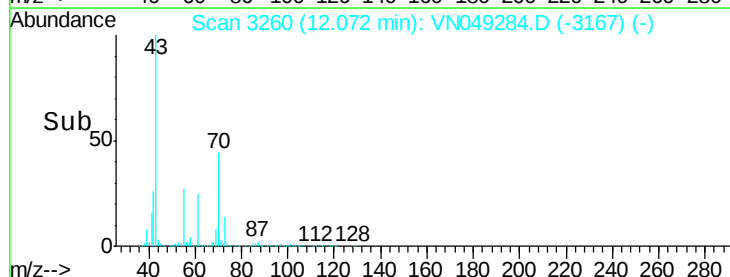
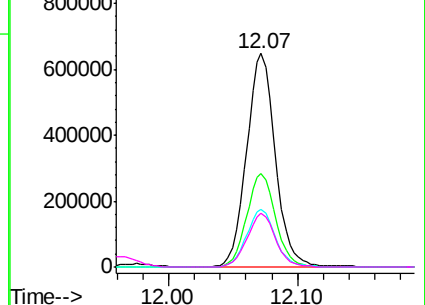


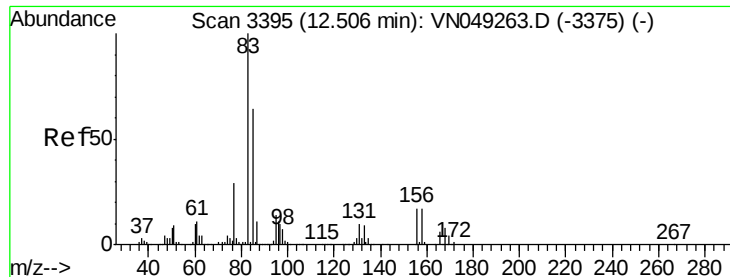
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.77 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 934646
Ion Ratio Lower Upper

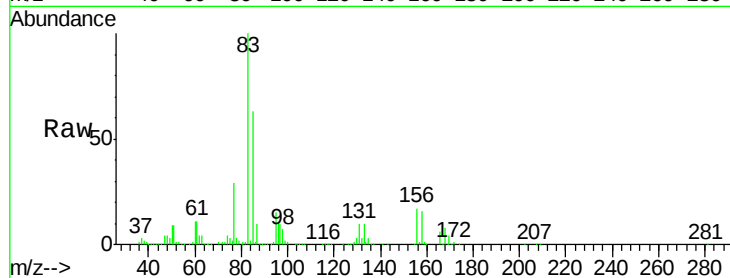
83 100

131 10.6 5.0 15.0

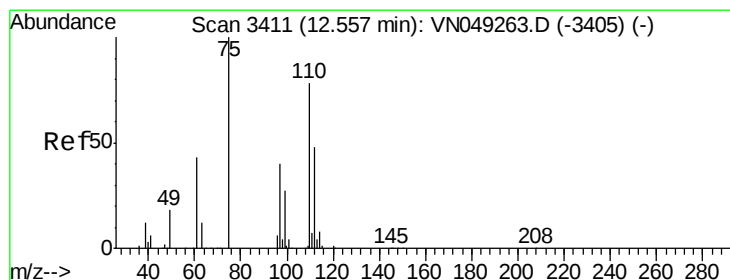
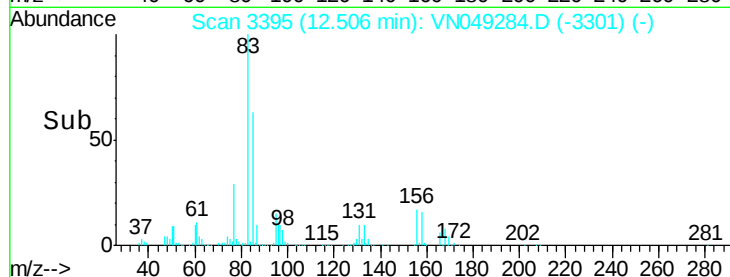
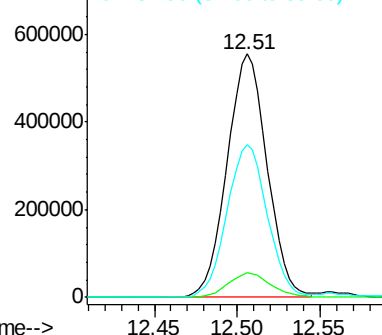
85 63.3 32.0 96.0

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



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



#76

1,2,3-Trichloropropane

Concen: 43.21 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

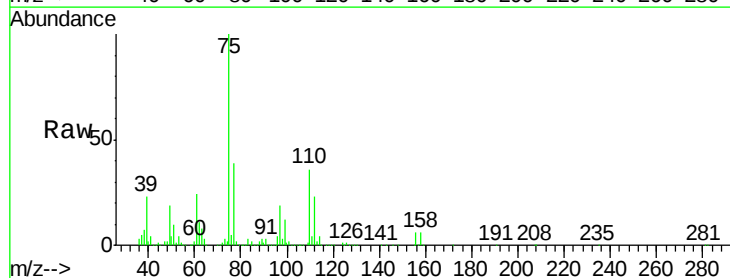
Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

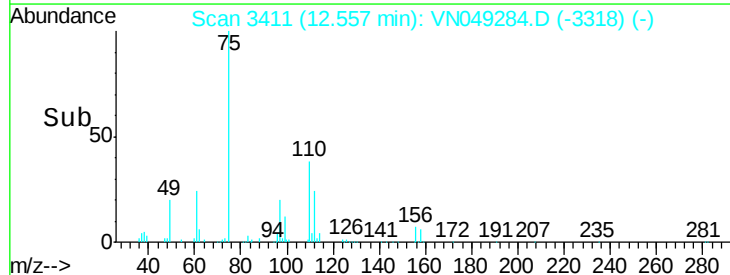
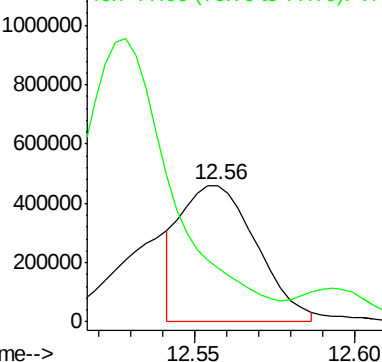
Tgt Ion: 75 Resp: 751963
Ion Ratio Lower Upper

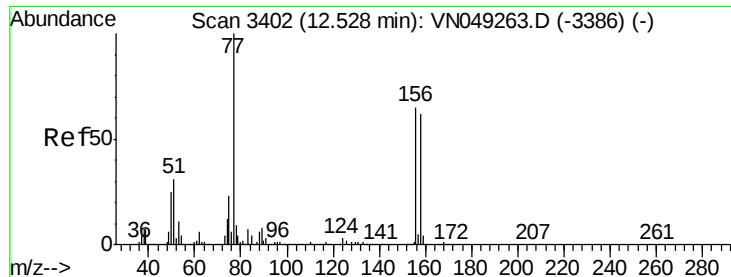
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 44.36 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 1049344

Ion Ratio Lower Upper

156 100

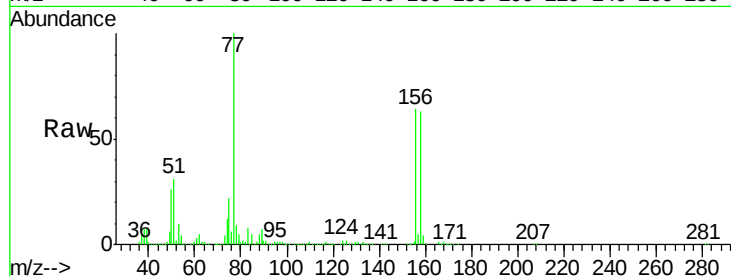
77 181.9 100.8 302.4

158 98.4 49.3 147.9

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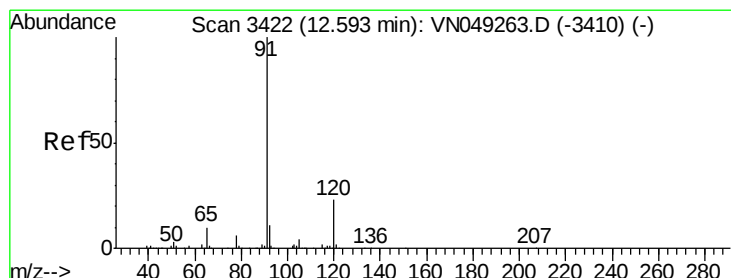
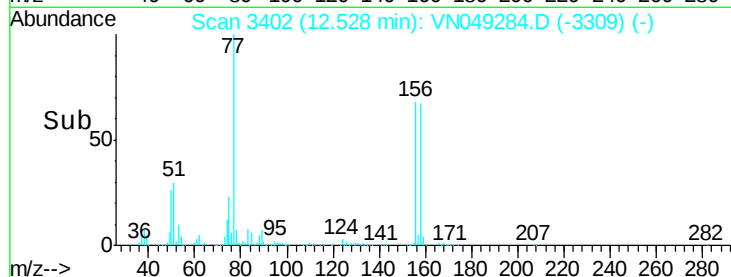
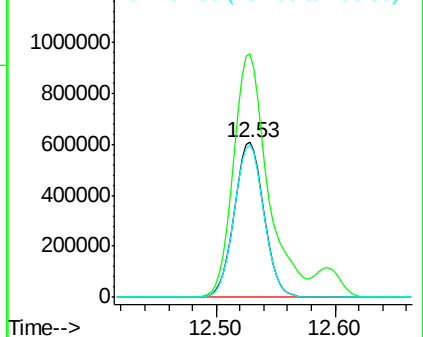
6/18/2018 3:16:16 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.40 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049284.D

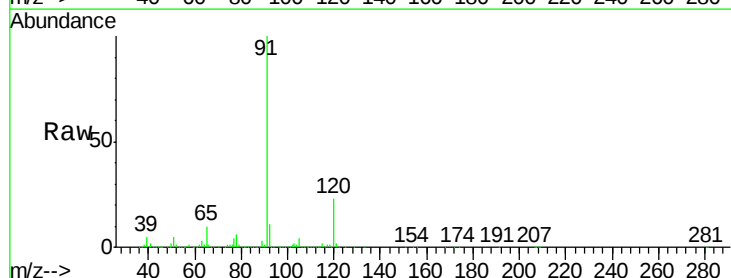
Acq: 16 Jun 2018 2:34

Tgt Ion: 91 Resp: 4857555

Ion Ratio Lower Upper

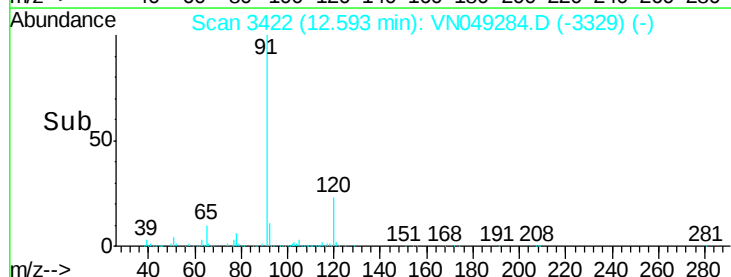
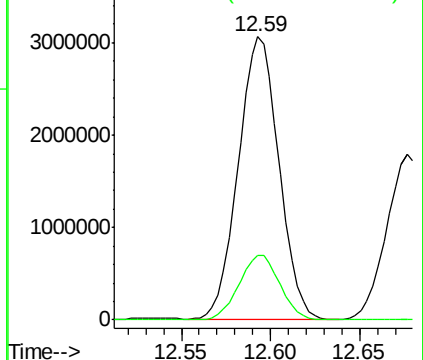
91 100

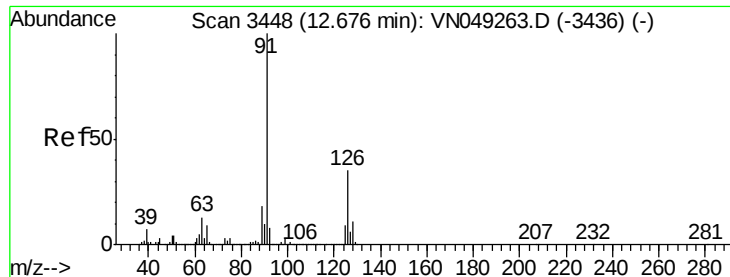
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.18 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2939712

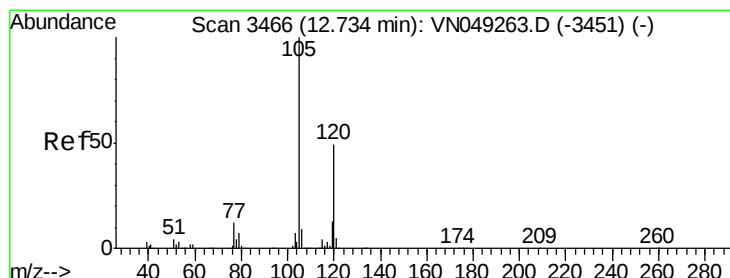
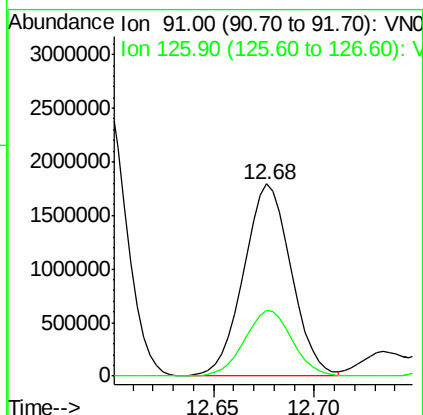
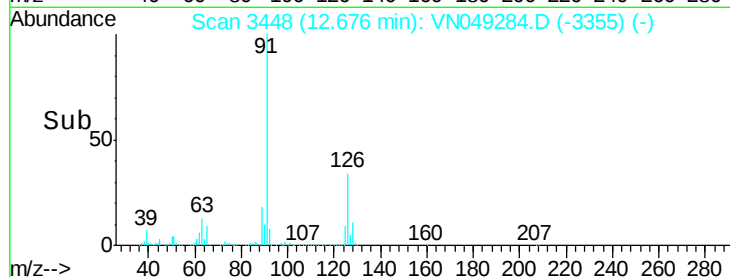
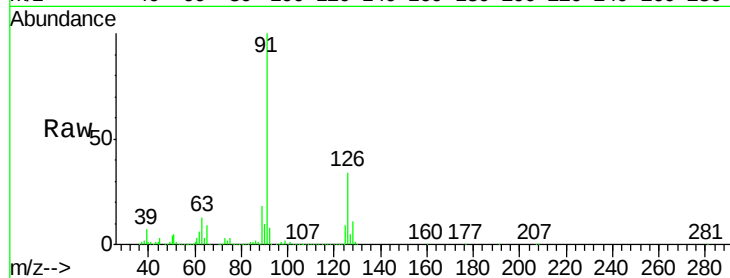
Ion Ratio Lower Upper

91 100

126 34.7 16.6 49.8

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#80

1,3,5-Trimethylbenzene

Concen: 49.94 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049284.D

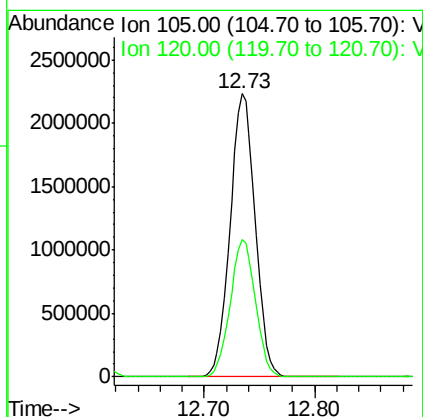
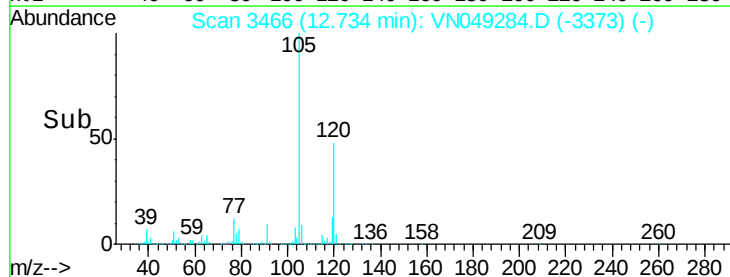
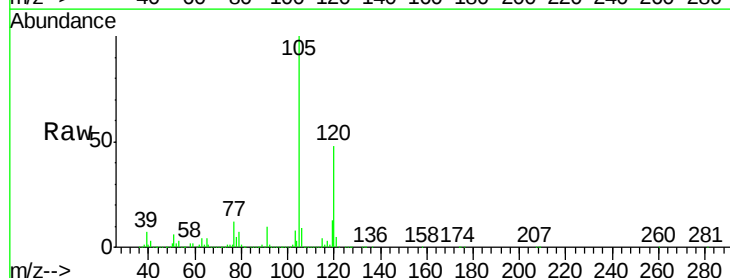
Acq: 16 Jun 2018 2:34

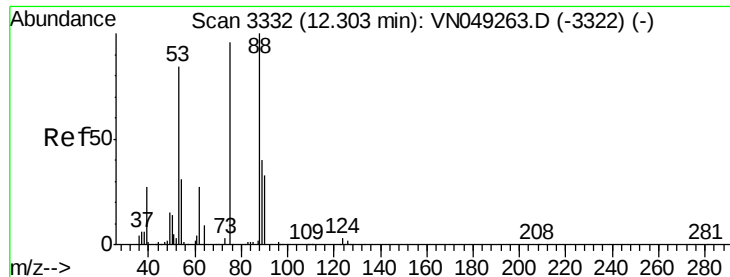
Tgt Ion: 105 Resp: 3515252

Ion Ratio Lower Upper

105 100

120 48.8 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 42.35 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

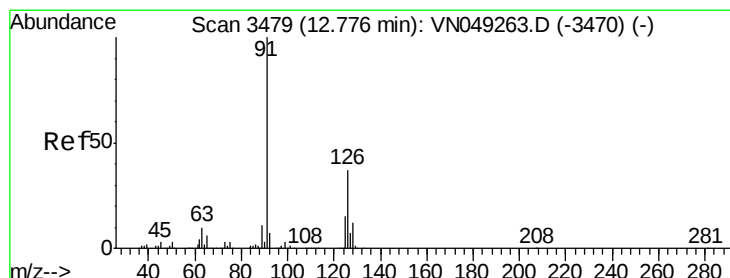
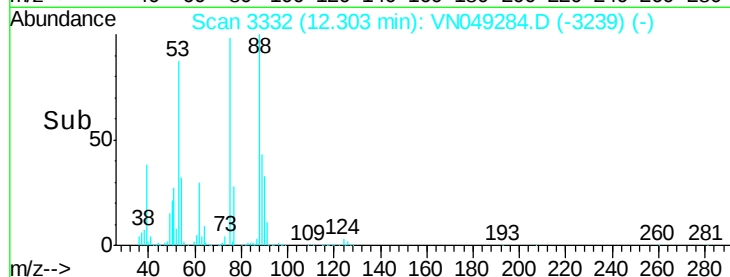
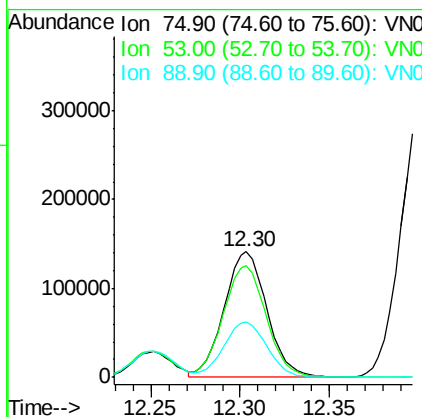
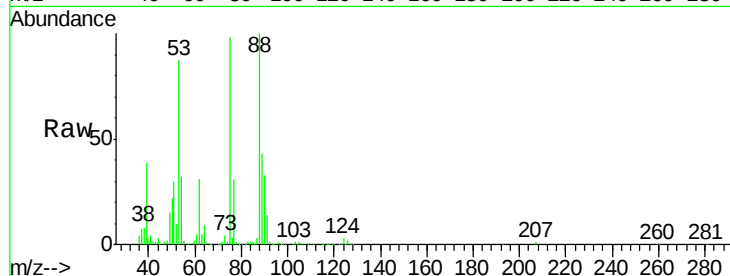
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	233175
Ion	Ratio	Lower	Upper
75	100		
53	91.0	82.7	124.1
89	45.6	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.25 ug/l

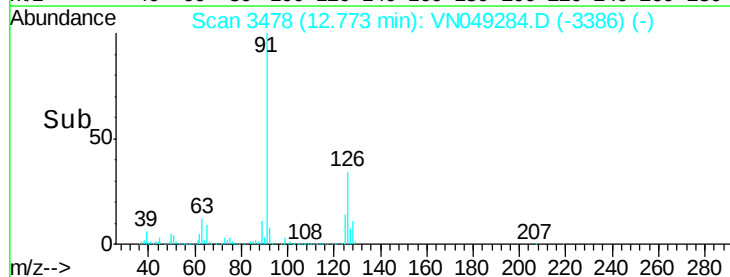
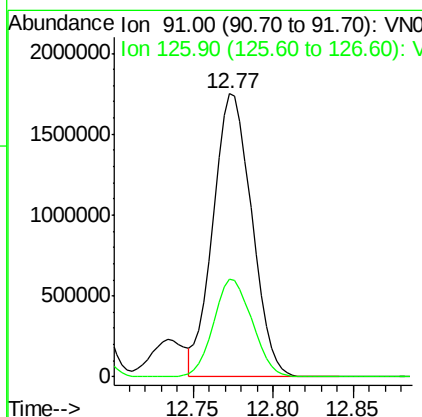
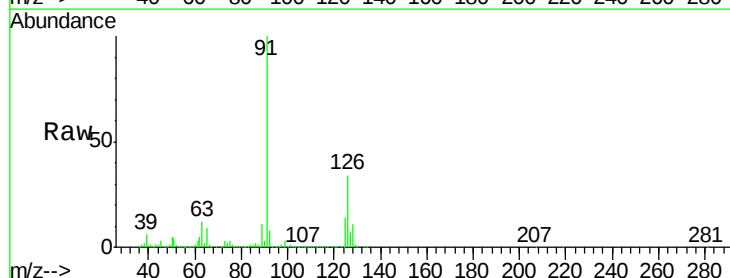
RT: 12.77 min Scan# 3478

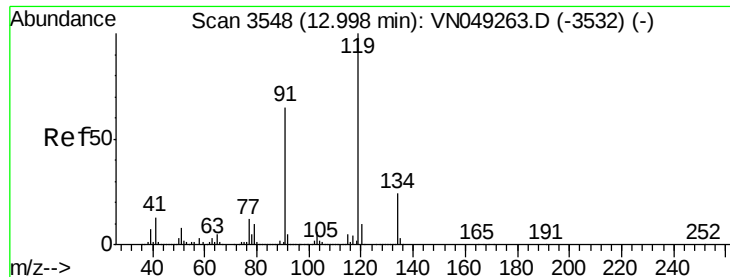
Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Tgt Ion:	91	Resp:	2900205
Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.4	49.1





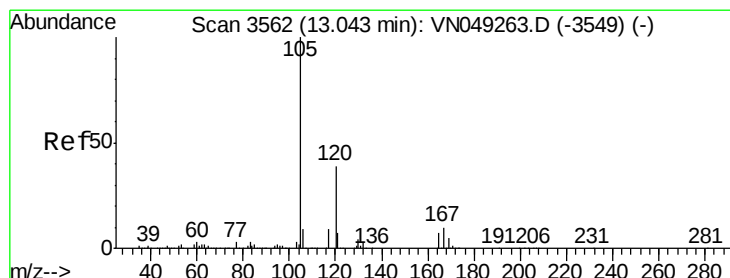
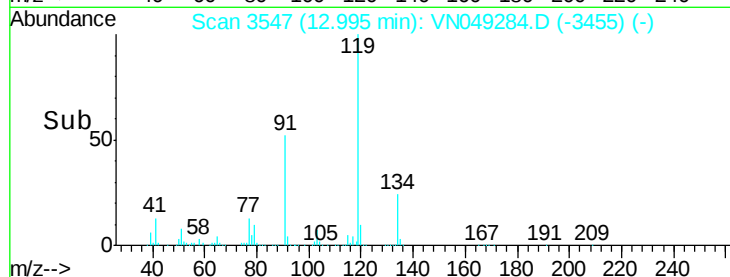
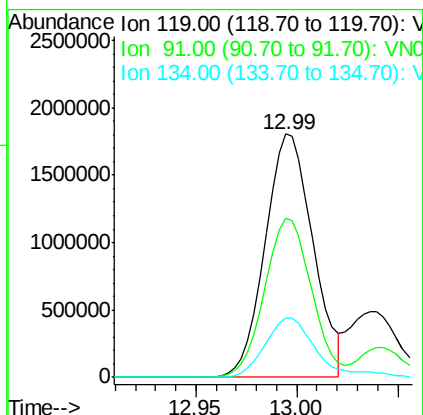
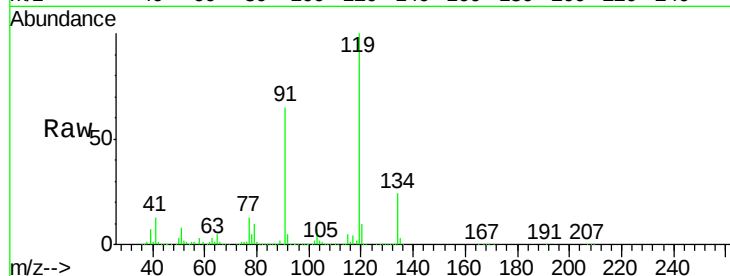
#83
tert-Butylbenzene
Concen: 47.65 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	33.7	101.0
134	26.2	12.9	38.6

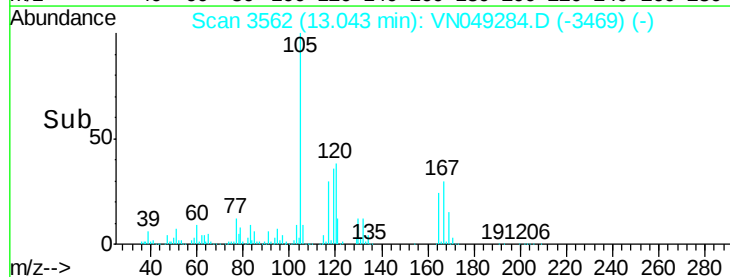
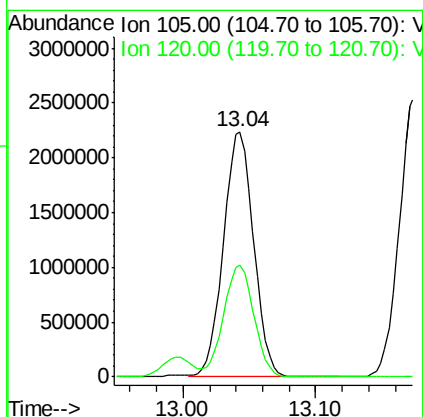
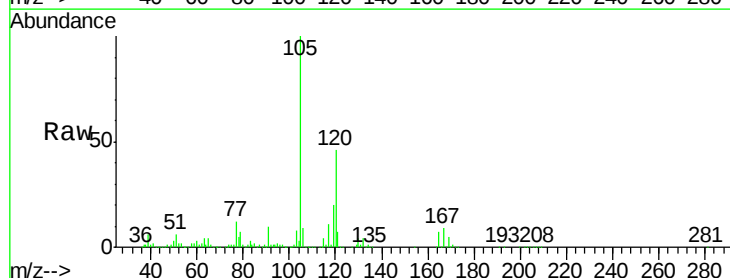
Manual Integrations
APPROVED

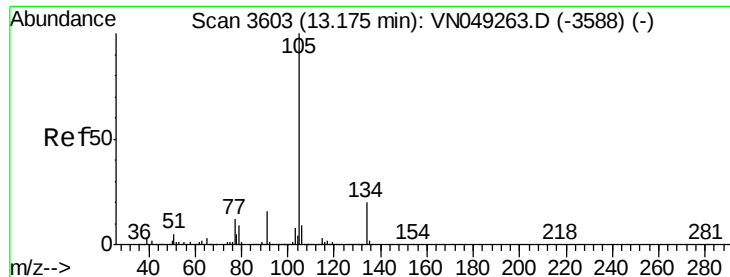
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.48 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.2	66.6





#85

sec-Butylbenzene

Concen: 47.98 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3982467

Ion Ratio Lower Upper

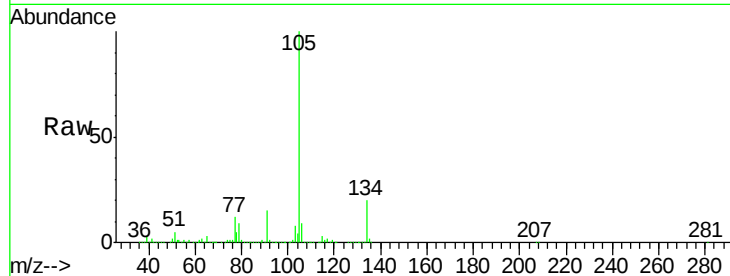
105 100

134 20.2 9.8 29.3

Manual Integrations
APPROVED

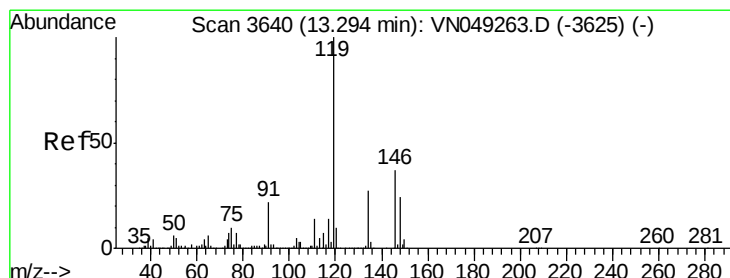
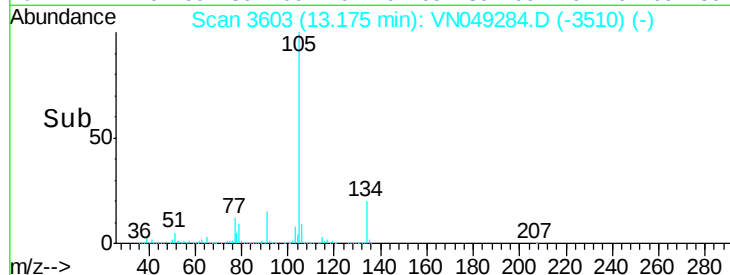
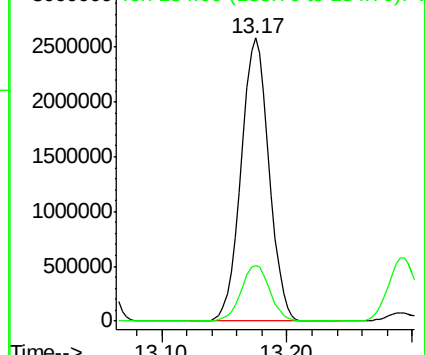
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.26 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

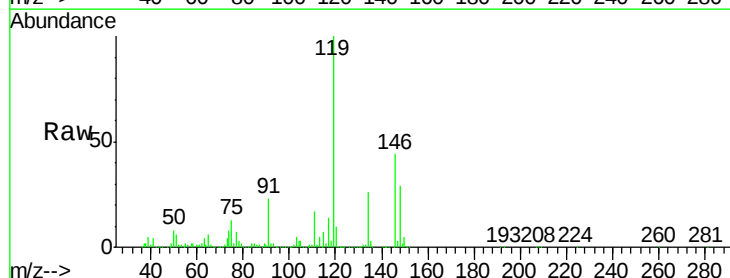
Tgt Ion:119 Resp: 3415810

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

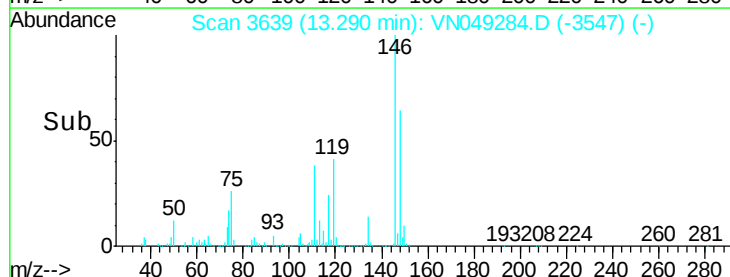
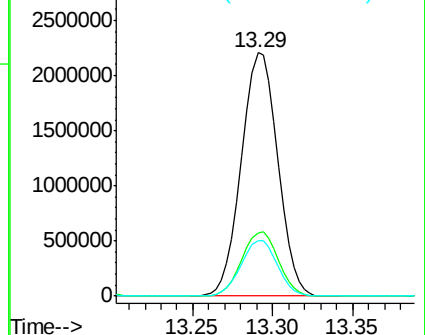
91 22.8 12.1 36.3



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: 47.54 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:146 Resp: 1850158

Ion Ratio Lower Upper

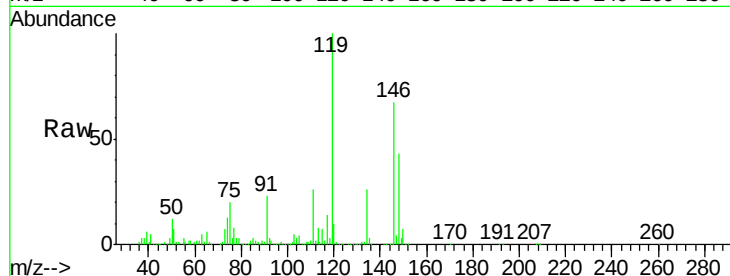
146 100

111 38.9 19.9 59.6

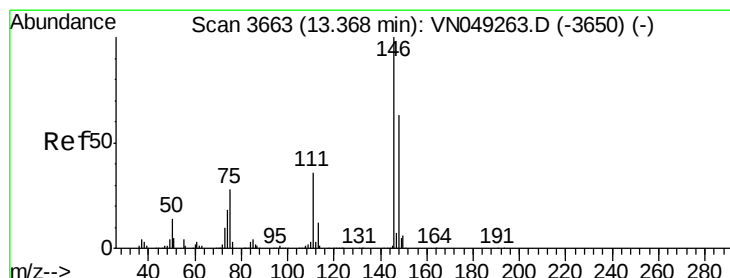
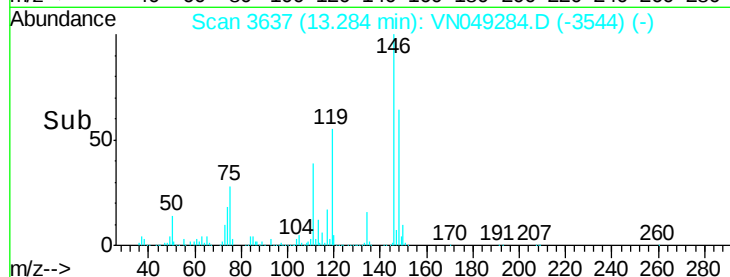
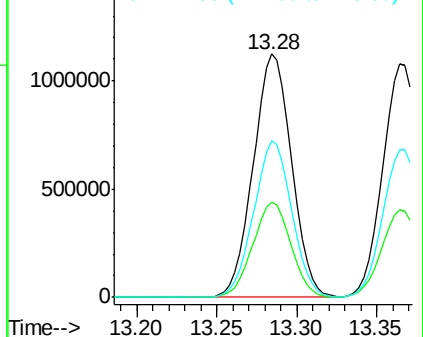
148 64.0 32.1 96.5

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 46.15 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN049284.D

Acq: 16 Jun 2018 2:34

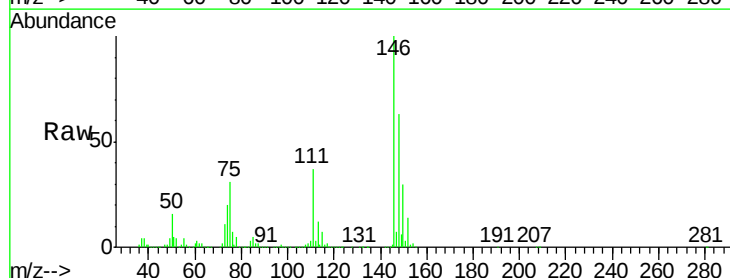
Tgt Ion:146 Resp: 1779838

Ion Ratio Lower Upper

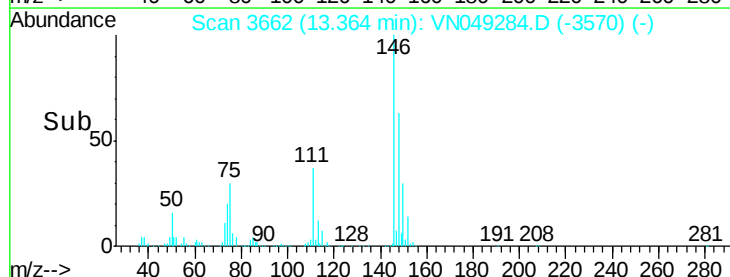
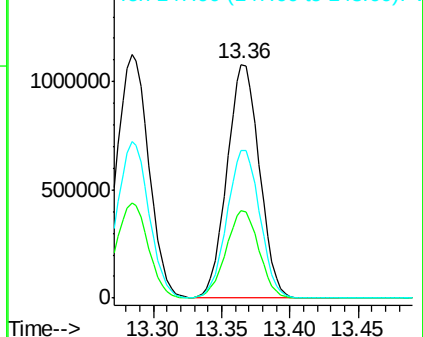
146 100

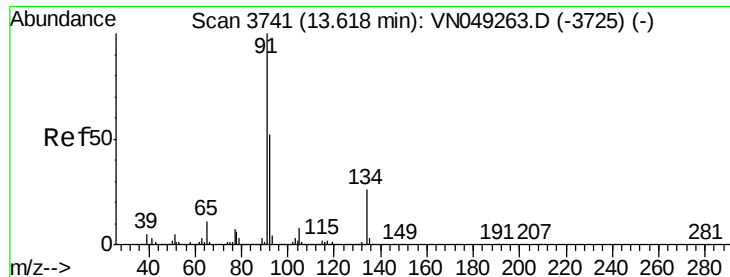
111 38.0 19.1 57.1

148 63.9 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





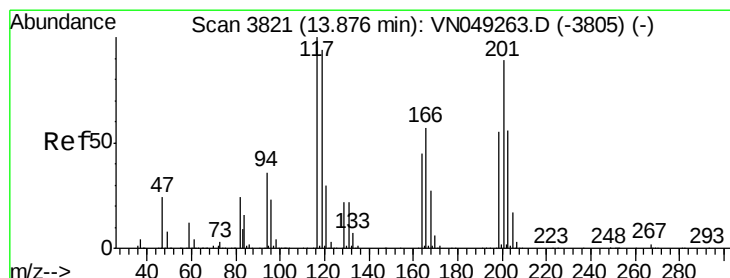
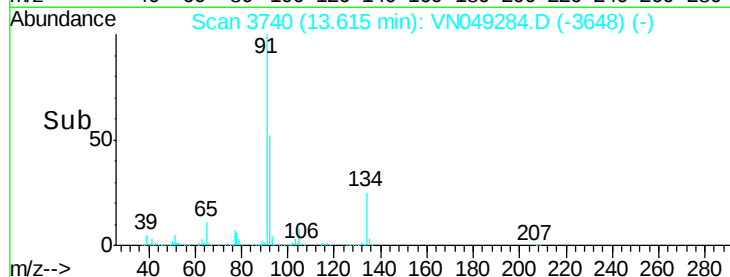
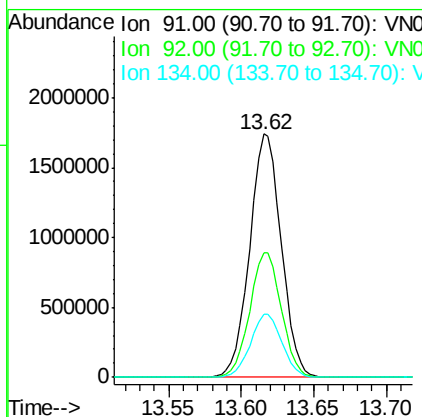
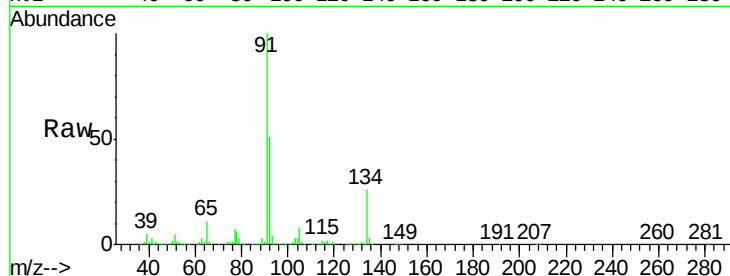
#89
n-Butylbenzene
Concen: 48.76 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.1	75.4
134	26.0	12.0	36.0

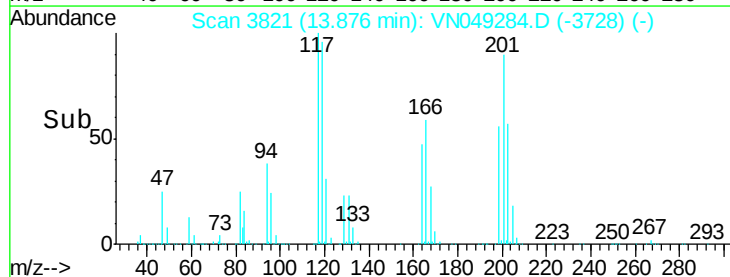
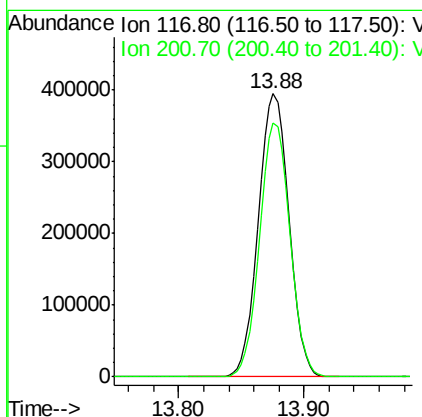
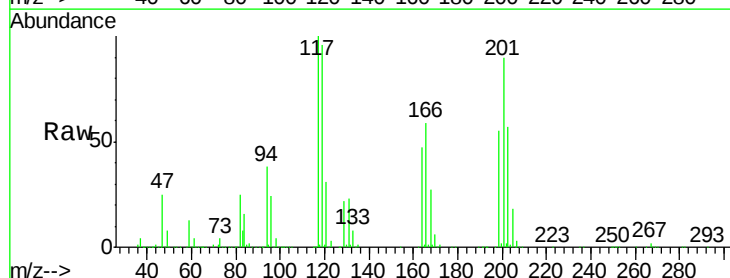
Manual Integrations
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#90
Hexachloroethane
Concen: 51.31 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.8	40.1	120.2





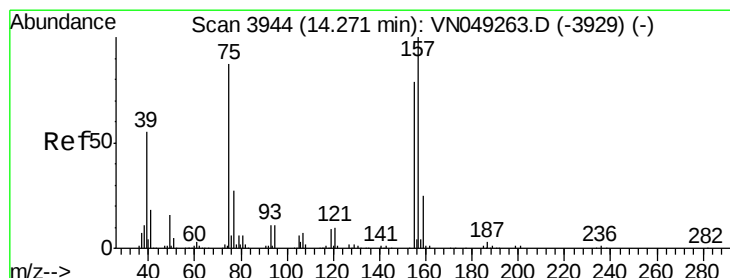
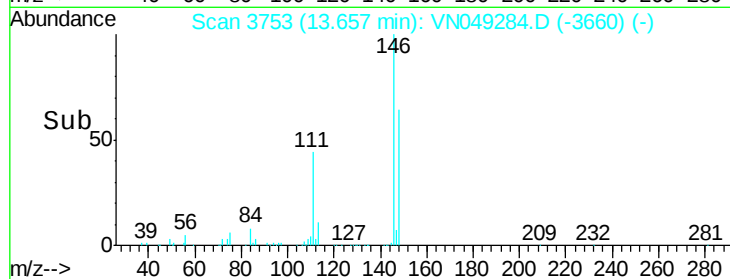
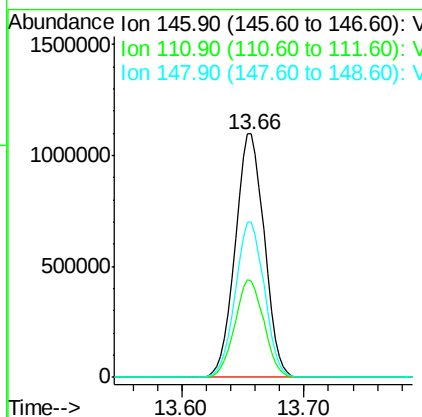
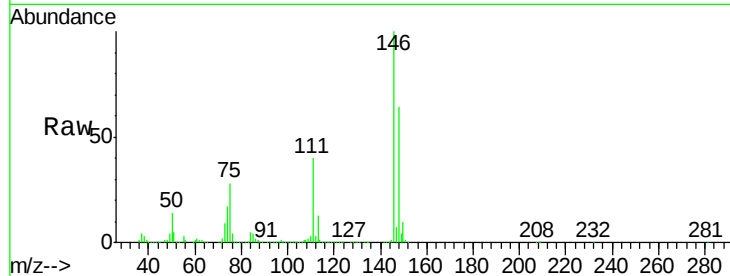
#91
 1,2-Dichlorobenzene
 Concen: 47.31 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.8	62.2
148	63.7	32.0	96.2

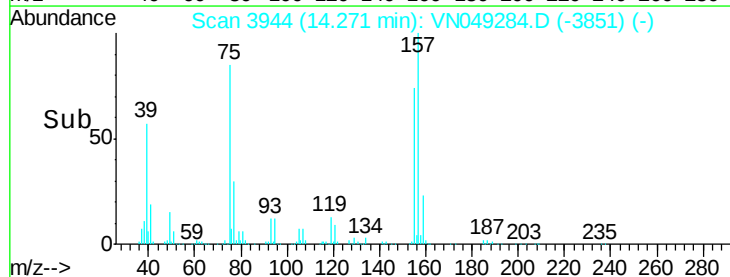
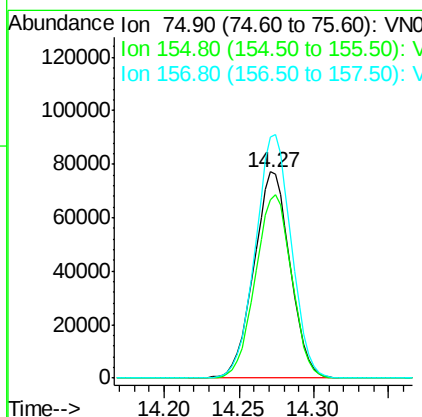
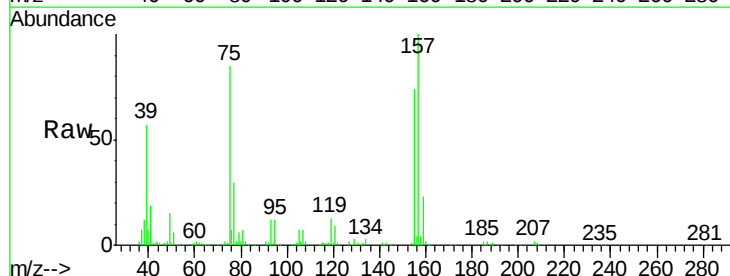
Manual Integrations
 APPROVED

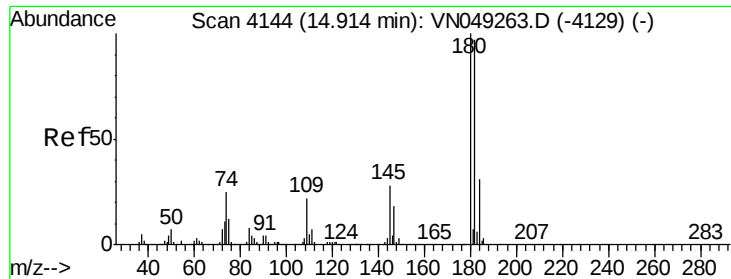
MMDadoda
 6/18/2018 3:16:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.62 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.0	38.8	116.3
157	116.8	51.0	153.1





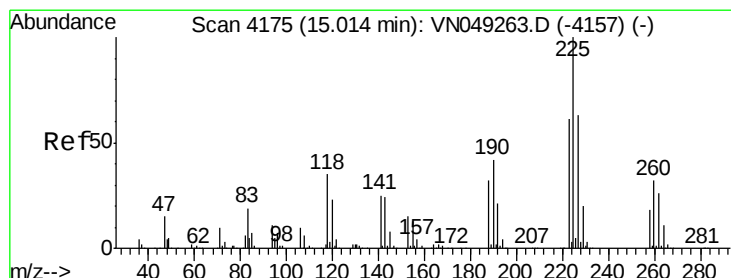
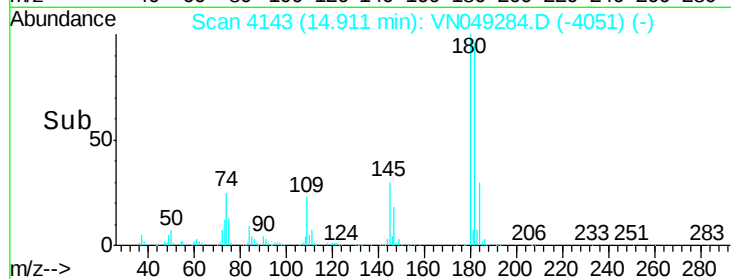
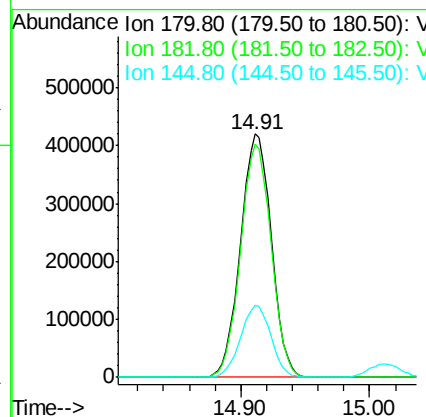
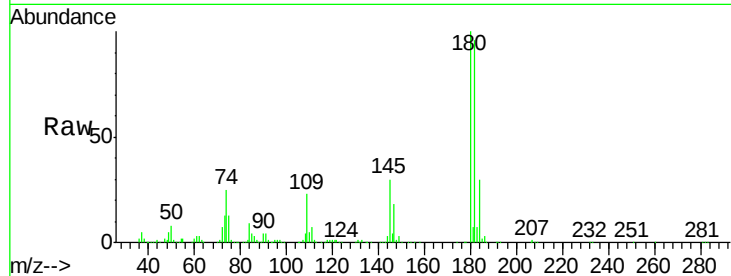
#93
 1,2,4-Trichlorobenzene
 Concen: 40.87 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	698245		
182	95.1	46.9	140.8	
145	29.1	14.7	44.1	

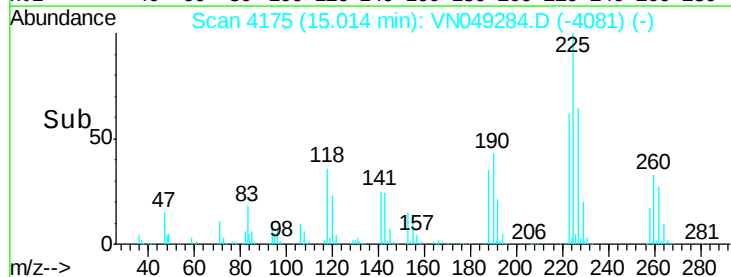
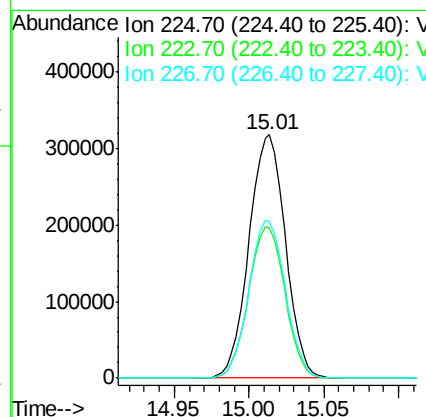
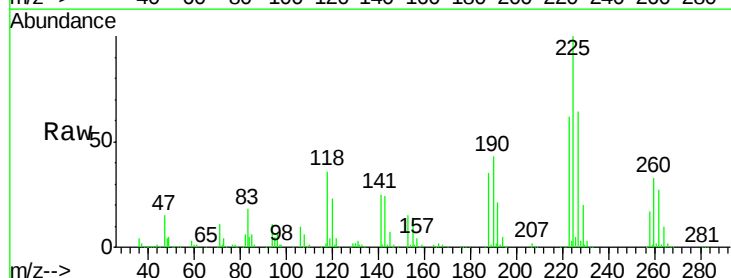
Manual Integrations
 APPROVED

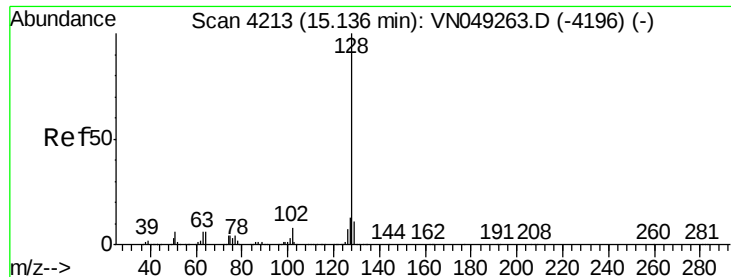
MMDadoda
 6/18/2018 3:16:16 PM



#94
 Hexachlorobutadiene
 Concen: 48.28 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049284.D
 Acq: 16 Jun 2018 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	540030		
223	62.2	32.1	96.3	
227	64.7	31.8	95.3	





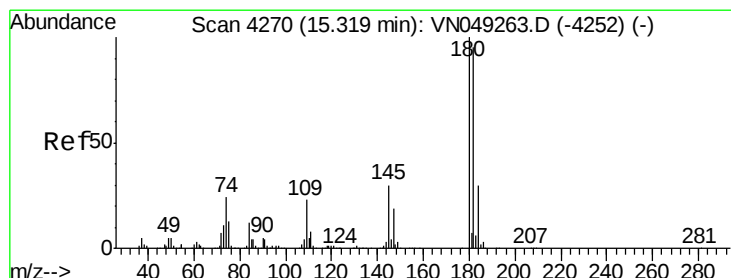
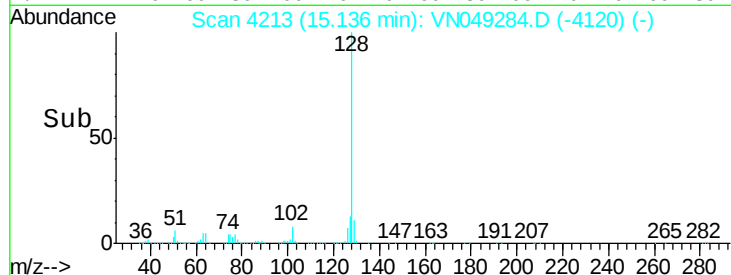
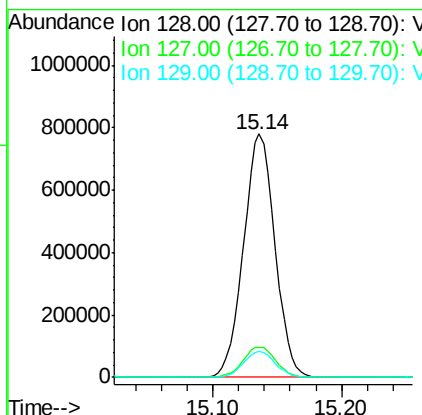
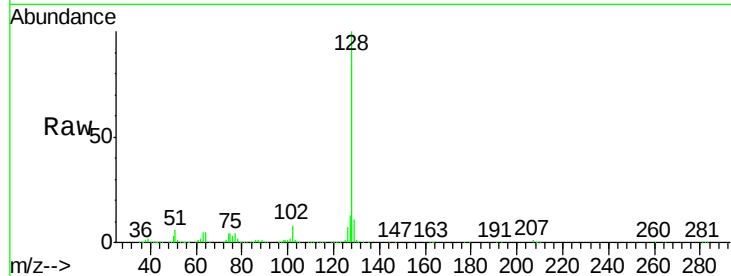
#95
Naphthalene
Concen: 43.63 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.6	8.5	12.7

Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 42.62 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049284.D
Acq: 16 Jun 2018 2:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.8
145	30.5	15.6	46.7

