

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049286.D
 Acq On : 16 Jun 2018 3:52
 Operator : MD\SY
 Sample : VN0616WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS02

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

Quant Time: Jun 16 05:23:20 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	1400489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2151456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1909519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	882058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	967682	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
35) Dibromofluoromethane	7.59	113	878120	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.09	98	3310089	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.40	95	1040906	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	292076	18.12	ug/l	100
3) Chloromethane	2.06	50	382348	18.37	ug/l	99
4) Vinyl Chloride	2.18	62	422435	19.10	ug/l	98
5) Bromomethane	2.57	94	221142	19.02	ug/l	93
6) Chloroethane	2.71	64	261691	19.84	ug/l	99
7) Trichlorofluoromethane	3.02	101	533089	19.32	ug/l	98
8) Diethyl Ether	3.41	74	183442	19.04	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	333027	19.03	ug/l	93
10) Methyl Iodide	3.95	142	351837	19.31	ug/l	93
11) Tert butyl alcohol	4.79	59	89942	82.50	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	297503	18.53	ug/l	92
13) Acrolein	3.61	56	107772	94.26	ug/l	99
14) Allyl chloride	4.32	41	467653	18.44	ug/l	90
15) Acrylonitrile	4.99	53	489397	89.77	ug/l	100
16) Acetone	3.82	43	334900	74.26	ug/l	90
17) Carbon Disulfide	4.05	76	899575	17.87	ug/l	100
18) Methyl Acetate	4.33	43	259766	18.89	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	760819	18.58	ug/l	100
20) Methylene Chloride	4.55	84	355559	18.88	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	321182	18.89	ug/l	92
22) Diisopropyl ether	5.96	45	1007698	19.90	ug/l	98
23) Vinyl Acetate	5.90	43	3041598	92.15	ug/l	95
24) 1,1-Dichloroethane	5.85	63	628042	19.38	ug/l	98
25) 2-Butanone	6.84	43	500009	82.56	ug/l	95
26) 2,2-Dichloropropane	6.83	77	408034	15.59	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	362369	19.17	ug/l	91
28) Bromochloromethane	7.20	49	291587	20.29	ug/l	84
29) Tetrahydrofuran	7.22	42	337778	86.65	ug/l	96
30) Chloroform	7.37	83	631856	19.59	ug/l	99
31) Cyclohexane	7.66	56	533515	19.31	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	543064	19.73	ug/l	97
36) 1,1-Dichloropropene	7.79	75	473356	19.20	ug/l	98
37) Ethyl Acetate	6.93	43	249613	18.62	ug/l	98
38) Carbon Tetrachloride	7.77	117	480702	18.83	ug/l	99

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 ClientSampleId :
 VN0616WBS02

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

Quant Time: Jun 16 05:23:20 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)
39) Methylcyclohexane	9.08	83	460541	17.40	ug/l	97
40) Benzene	8.04	78	1433993	18.97	ug/l	99
41) Methacrylonitrile	7.17	41	130394	17.99	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	439491	18.82	ug/l	96
43) Isopropyl Acetate	8.17	43	493743	19.28	ug/l	99
44) Trichloroethene	8.84	130	376624	18.87	ug/l	92
45) 1,2-Dichloropropane	9.12	63	374878	18.94	ug/l	99
46) Dibromomethane	9.21	93	216830	18.89	ug/l	91
47) Bromodichloromethane	9.40	83	474608	18.82	ug/l	96
48) Methyl methacrylate	9.20	41	213977	17.74	ug/l	88
49) 1,4-Dioxane	9.20	88	55458	333.15	ug/l #	91
51) 4-Methyl-2-Pentanone	9.99	43	1177362	87.71	ug/l	95
52) Toluene	10.16	92	866636	19.53	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	413002	17.12	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	505408	17.74	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	311174	18.81	ug/l	98
56) Ethyl methacrylate	10.43	69	335249	17.57	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	503645	18.38	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	475596	80.05	ug/l	95
59) 2-Hexanone	10.75	43	706723	81.66	ug/l	94
60) Dibromochloromethane	10.90	129	338884	18.36	ug/l	97
61) 1,2-Dibromoethane	11.01	107	276898	18.01	ug/l	99
64) Tetrachloroethene	10.63	164	399680	20.43	ug/l	98
65) Chlorobenzene	11.44	112	926629	18.84	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	352563	19.05	ug/l	98
67) Ethyl Benzene	11.51	91	1554306	19.05	ug/l	98
68) m/p-Xylenes	11.62	106	1199640	39.18	ug/l	97
69) o-Xylene	11.95	106	571884	19.39	ug/l	95
70) Styrene	11.97	104	902807	19.40	ug/l	98
71) Bromoform	12.13	173	215285	17.97	ug/l #	99
73) Isopropylbenzene	12.25	105	1528418	19.74	ug/l	98
74) N-amyl acetate	12.07	43	314988	16.61	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	334955	19.66	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	295683m	19.65	ug/l	
77) Bromobenzene	12.53	156	381163	18.63	ug/l	90
78) n-propylbenzene	12.59	91	1670429	19.64	ug/l	99
79) 2-Chlorotoluene	12.68	91	1040856	19.32	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1223798	20.10	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	74693	15.69	ug/l	96
82) 4-Chlorotoluene	12.78	91	1011325	19.46	ug/l	97
83) tert-Butylbenzene	13.00	119	1034124	19.18	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1239785	20.50	ug/l	100
85) sec-Butylbenzene	13.17	105	1363544	19.00	ug/l	98
86) p-Isopropyltoluene	13.29	119	1140733	19.02	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	627899	18.66	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	599100	17.96	ug/l	100
89) n-Butylbenzene	13.62	91	793597	16.94	ug/l	98
90) Hexachloroethane	13.88	117	240448	20.17	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	618931	18.75	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45574	16.90	ug/l	90

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ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS02

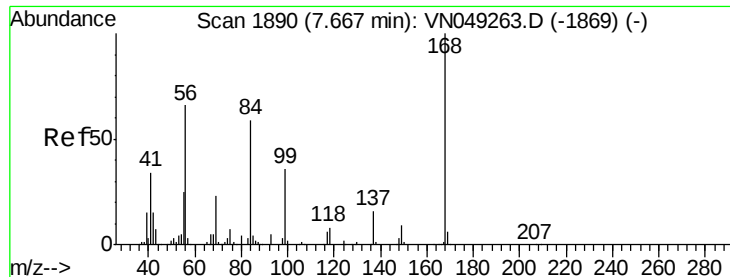
Manual Integrations
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Quant Time: Jun 16 05:23:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	177450	15.36	ug/l	99
94) Hexachlorobutadiene	15.01	225	186330	17.53	ug/l	99
95) Naphthalene	15.14	128	333551	15.21	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	201995	16.17	ug/l	99

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



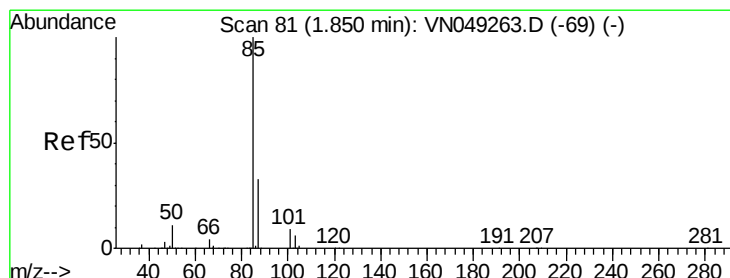
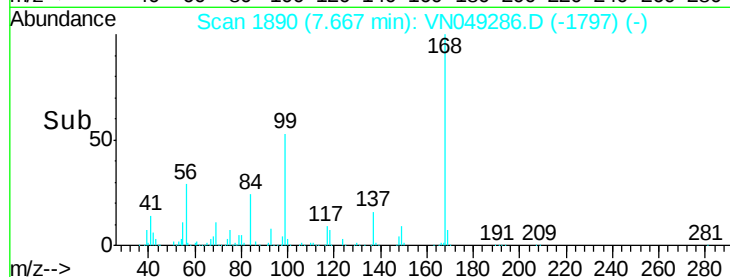
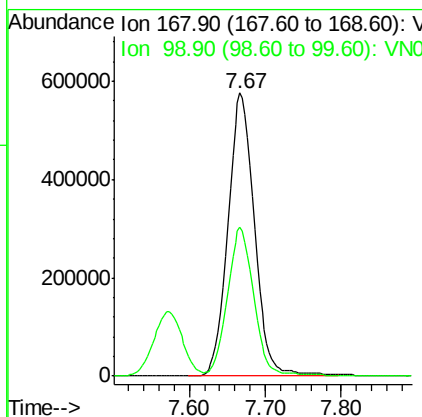
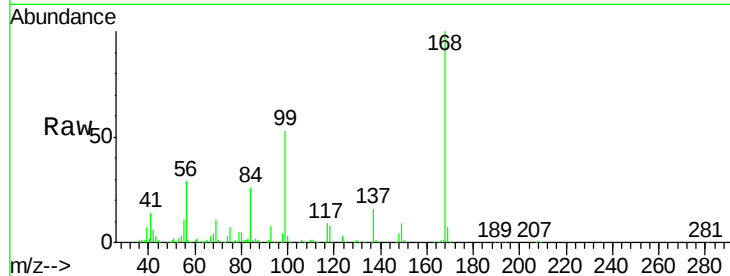
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS02

Tot Ion:168 Resp: 1400489
Ion Ratio Lower Upper
168 100
99 52.5 45.8 68.6

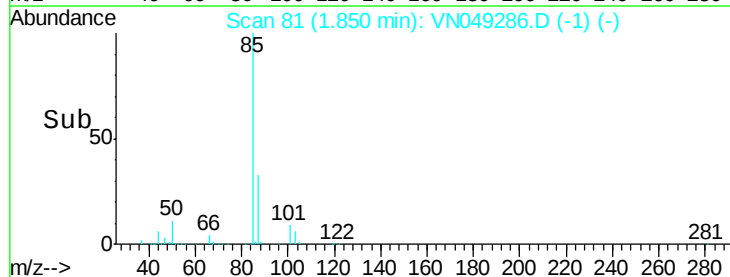
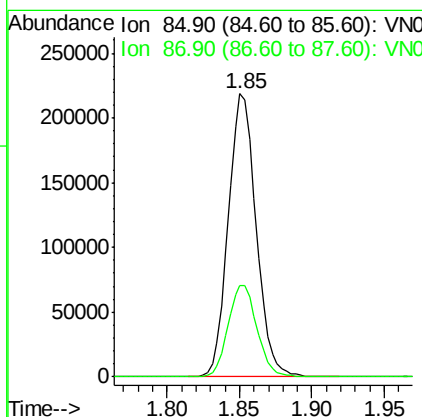
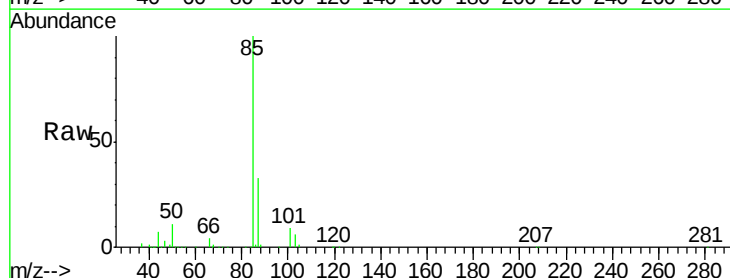
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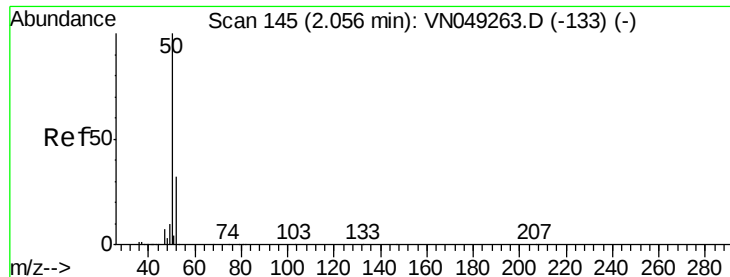
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#2
Dichlorodifluoromethane
Concen: 18.12 ug/l
RT: 1.85 min Scan# 81
Delta R.T. -0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion: 85 Resp: 292076
Ion Ratio Lower Upper
85 100
87 32.5 16.2 48.5





#3

Chloromethane

Concen: 18.37 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS02

Tot Ion: 50 Resp: 382348

Ion Ratio Lower Upper

50 100

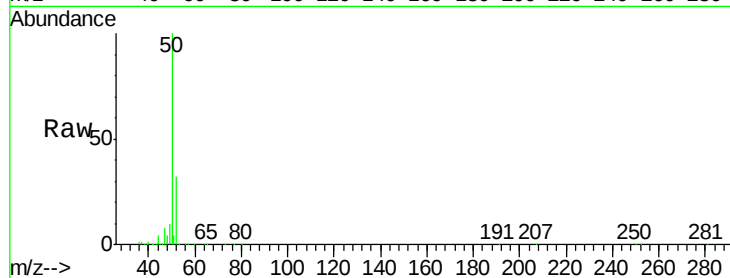
52 32.0 25.2 37.8

Manual Integrations

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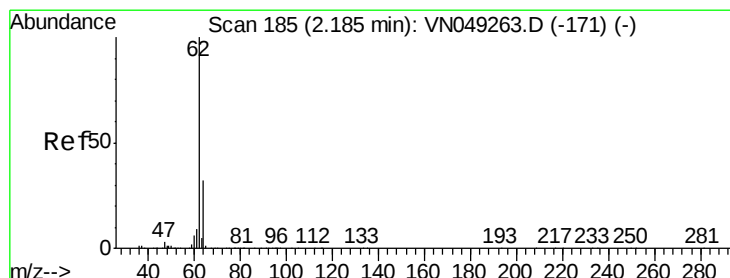
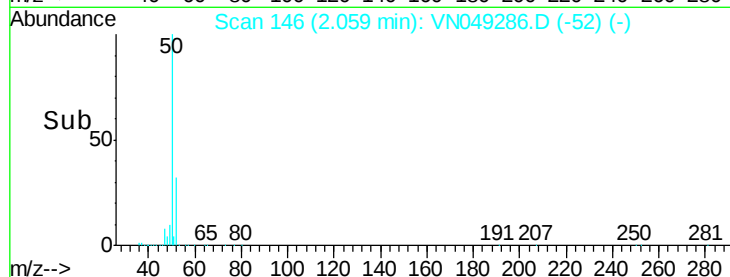
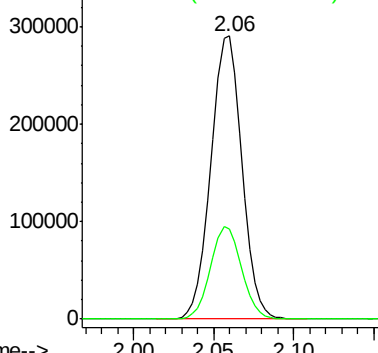
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.10 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049286.D

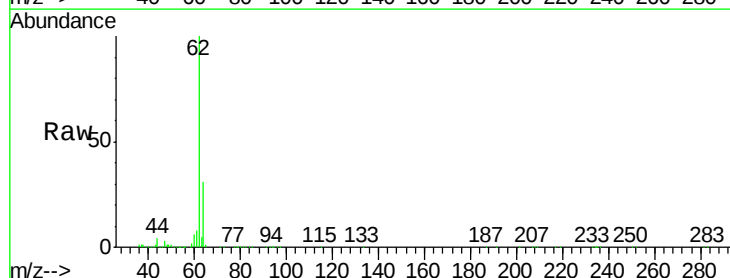
Acq: 16 Jun 2018 3:52

Tgt Ion: 62 Resp: 422435

Ion Ratio Lower Upper

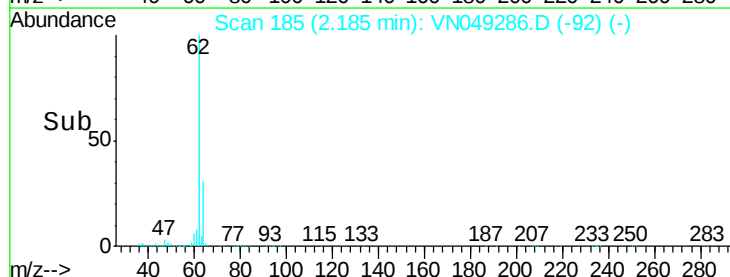
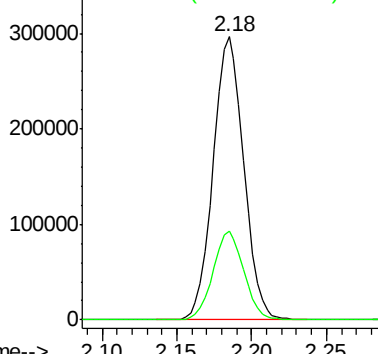
62 100

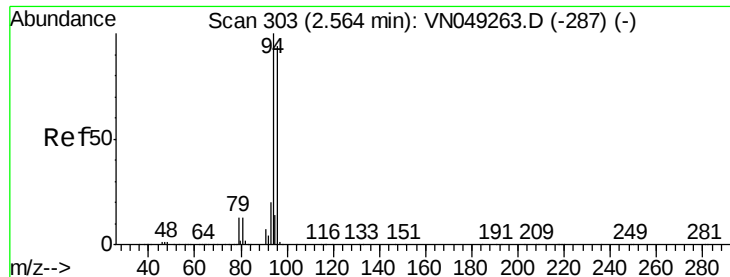
64 31.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.02 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS02

Tot Ion: 94 Resp: 221142

Ion Ratio Lower Upper

94 100

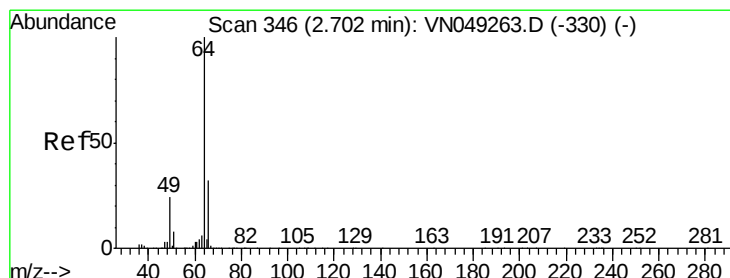
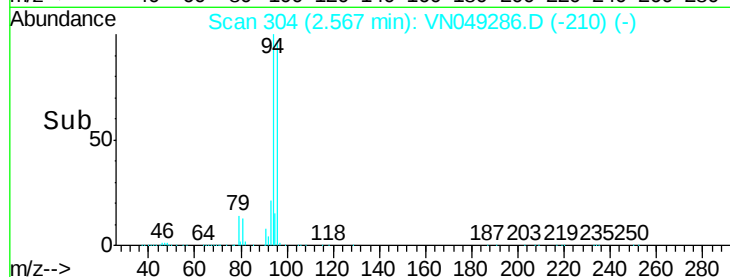
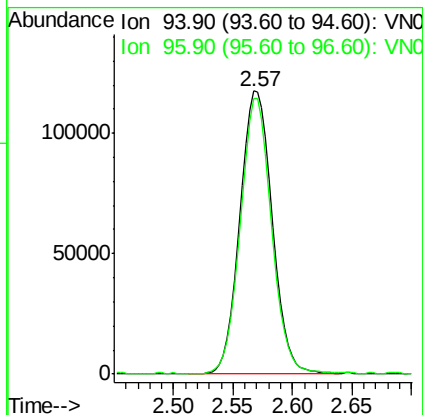
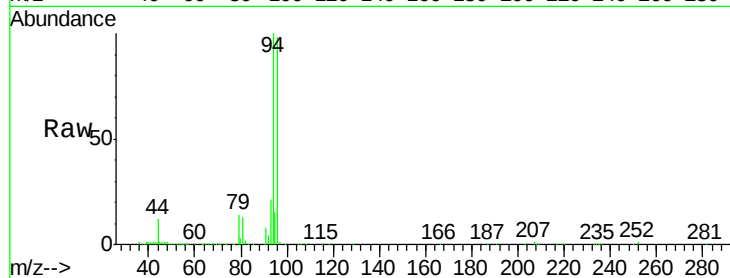
96 97.5 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 19.84 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049286.D

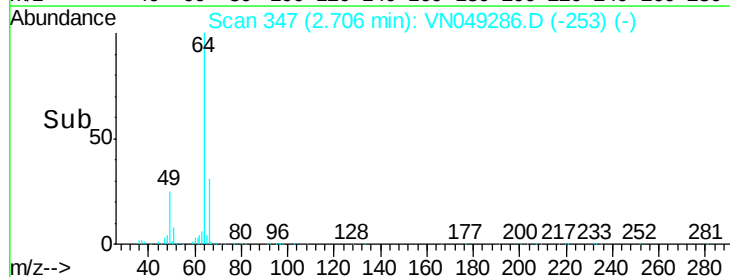
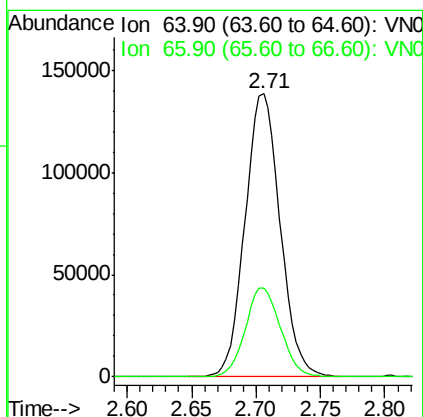
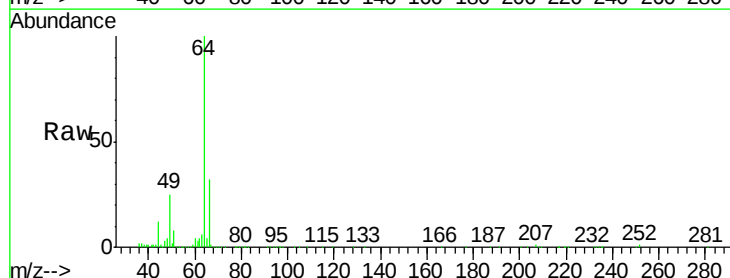
Acq: 16 Jun 2018 3:52

Tgt Ion: 64 Resp: 261691

Ion Ratio Lower Upper

64 100

66 31.4 25.6 38.4





#7

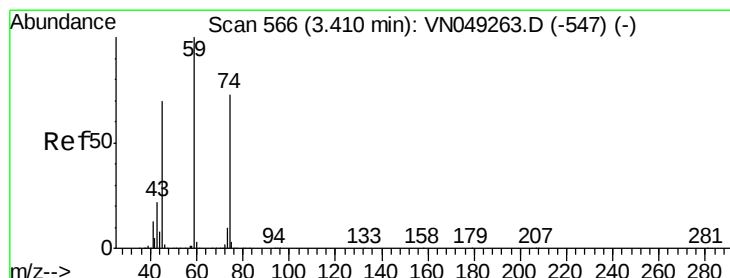
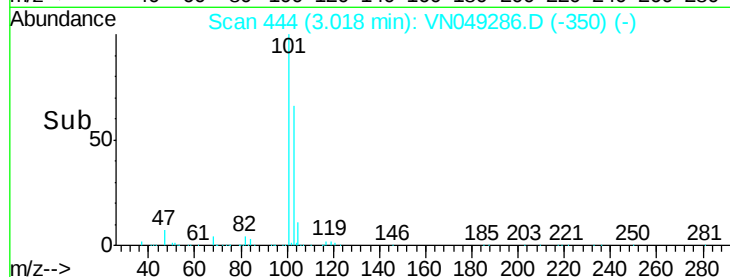
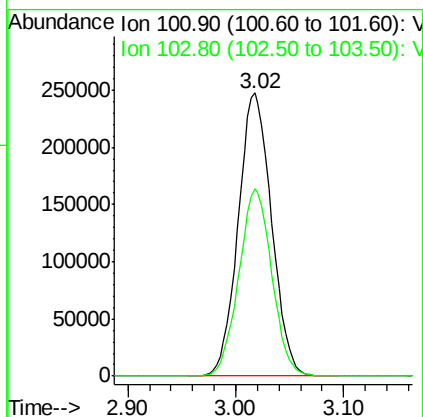
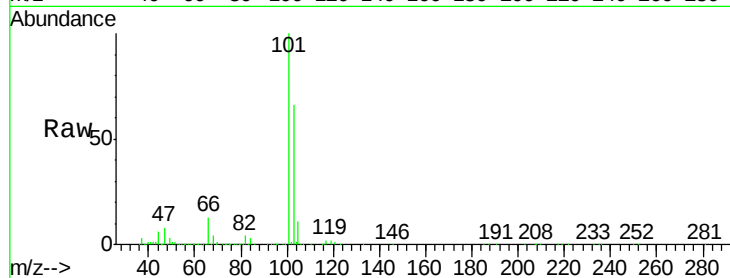
Trichlorofluoromethane
 Concen: 19.32 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Instrument :
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 ClientSampleId :
 VN0616WBS02

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	65.9	51.7	77.5	

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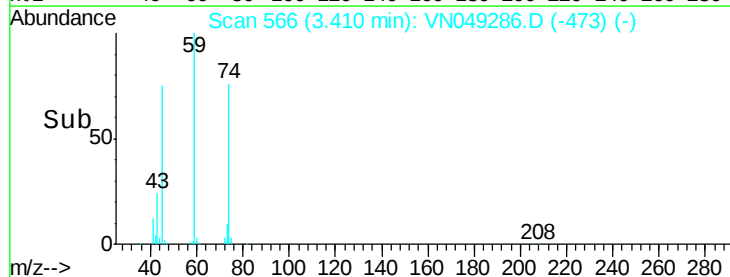
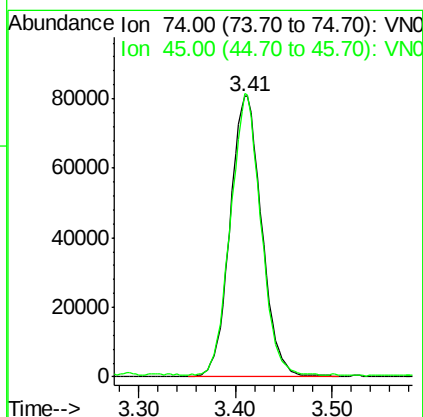
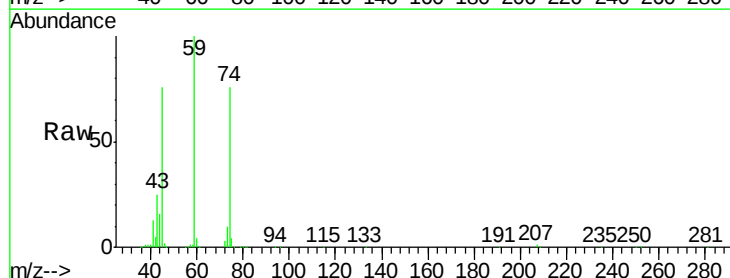
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 6/18/2018 3:16:16 PM



#8

Diethyl Ether
 Concen: 19.04 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	95.3	51.9	155.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.03 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

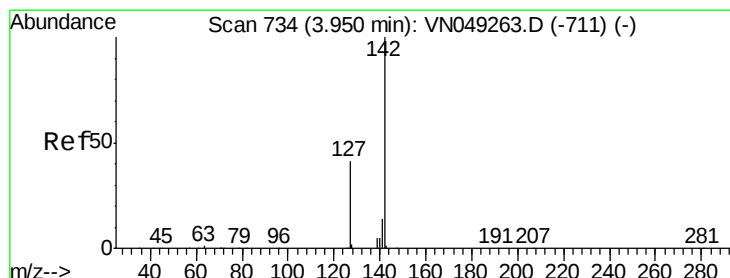
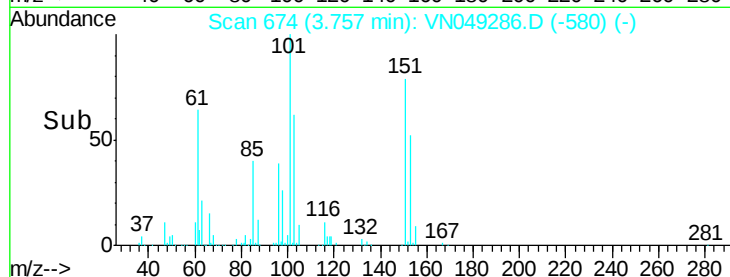
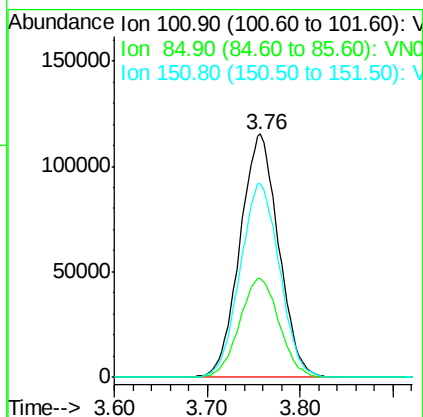
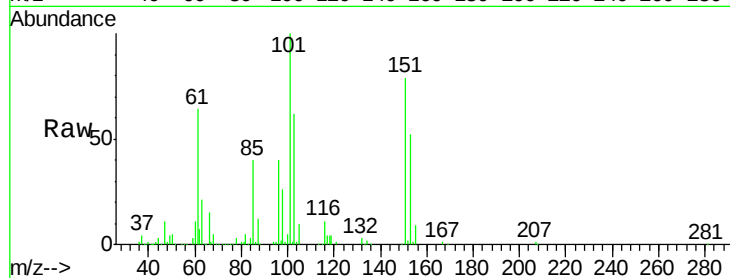
ClientSampleId :

VN0616WBS02

Tot Ion:	101	Resp:	333027
Ion Ratio	Lower	Upper	
101	100		
85	41.9	37.6	56.4
151	81.5	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 19.31 ug/l

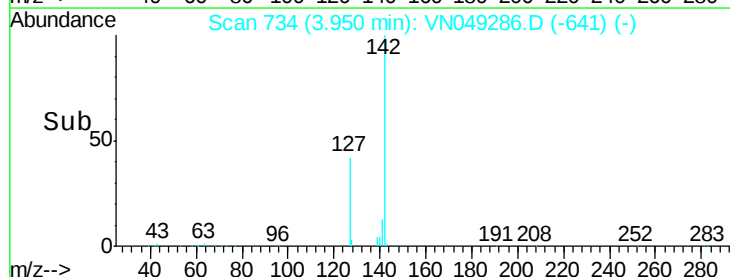
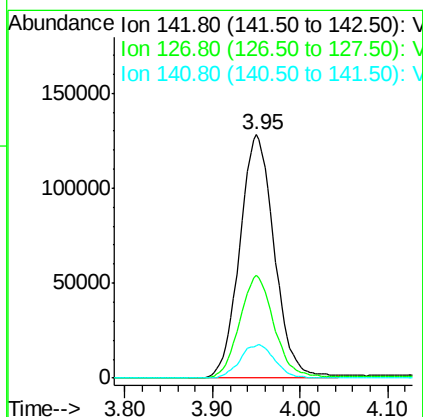
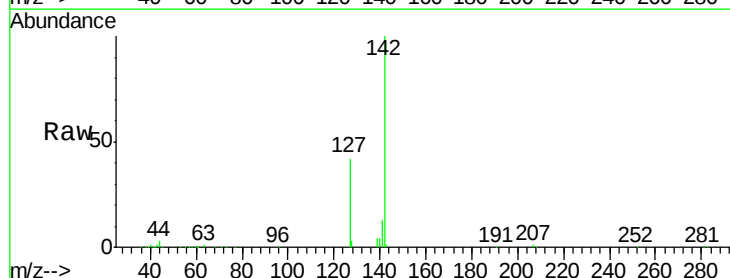
RT: 3.95 min Scan# 734

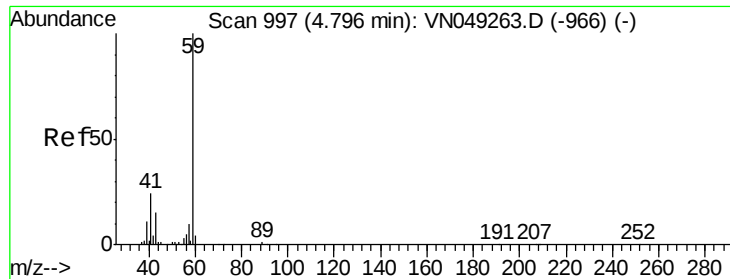
Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Tgt Ion:	142	Resp:	351837
Ion Ratio	Lower	Upper	
142	100		
127	42.1	38.2	57.4
141	13.8	11.9	17.9





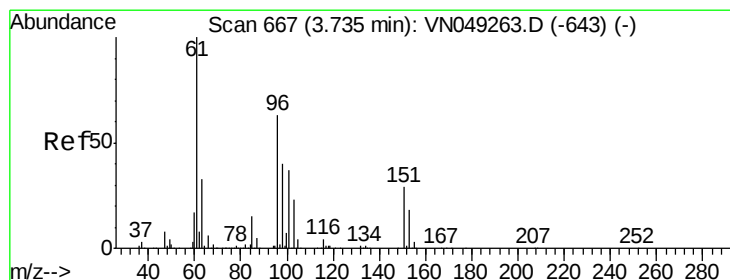
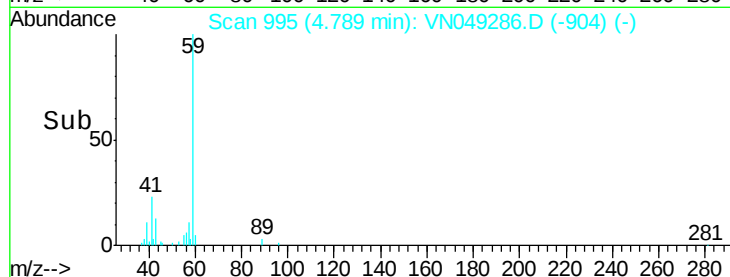
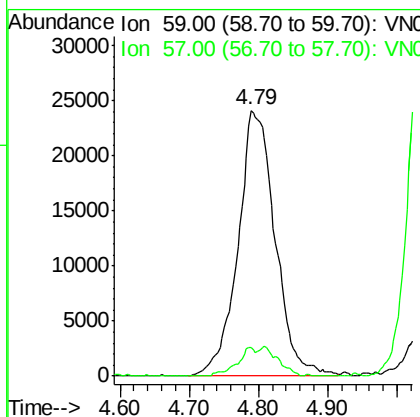
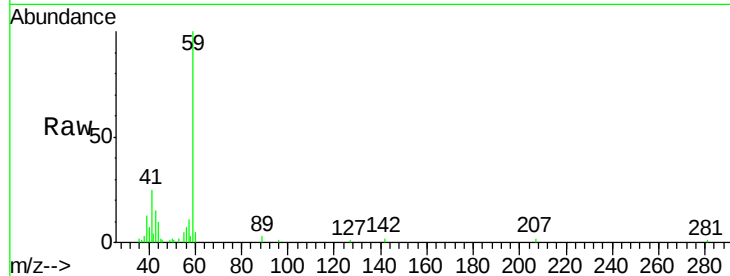
#11
Tert butyl alcohol
Concen: 82.50 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.6#

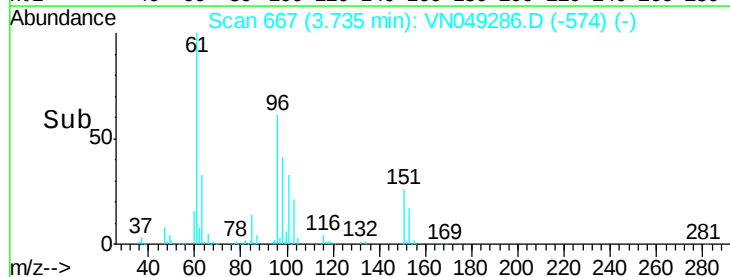
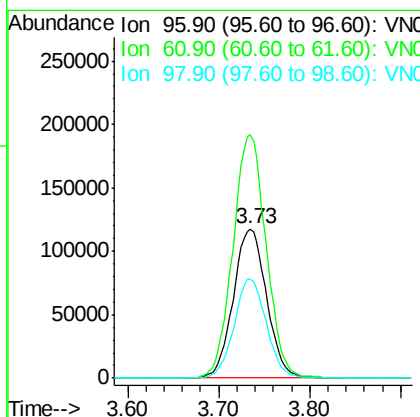
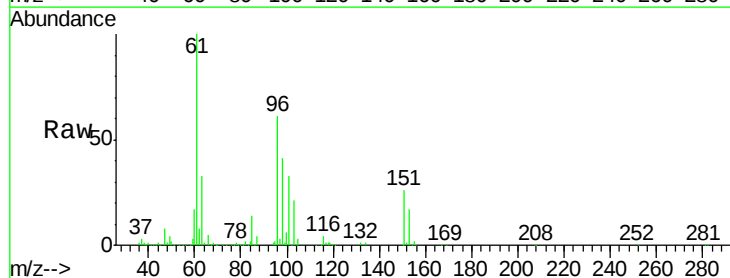
Manual Integrations
APPROVED

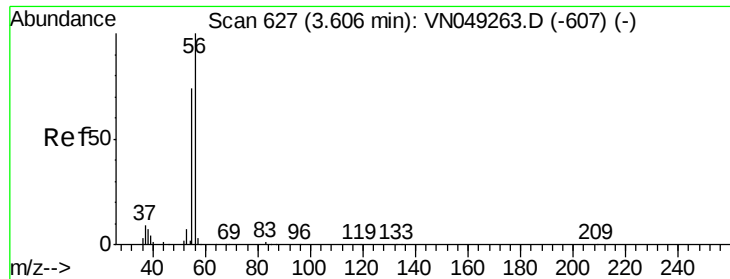
MMDadoda
6/18/2018 3:16:16 PM



#12
1,1-Dichloroethene
Concen: 18.53 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.4	141.0	211.4
98	66.6	50.4	75.6





#13

Acrolein

Concen: 94.26 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS02

Tot Ion: 56 Resp: 107772

Ion Ratio Lower Upper

56 100

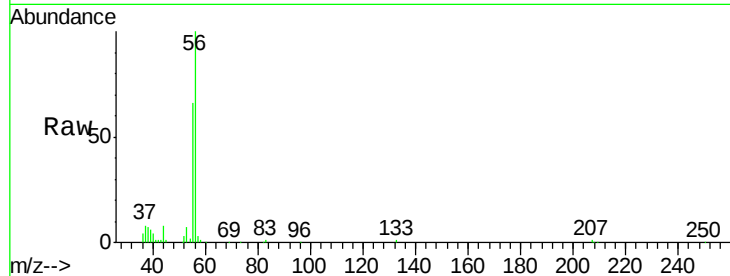
55 70.5 57.1 85.7

Manual Integrations

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MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

40000

30000

20000

10000

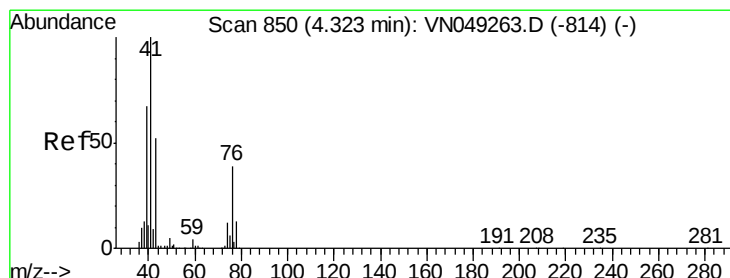
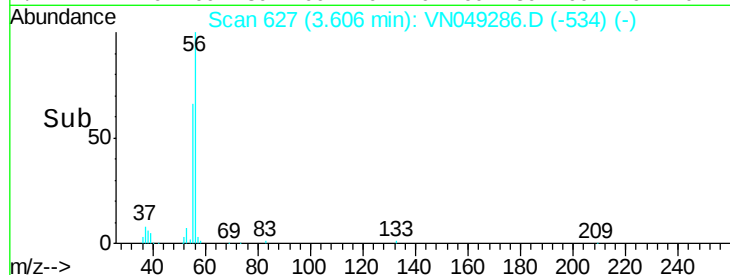
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 18.44 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

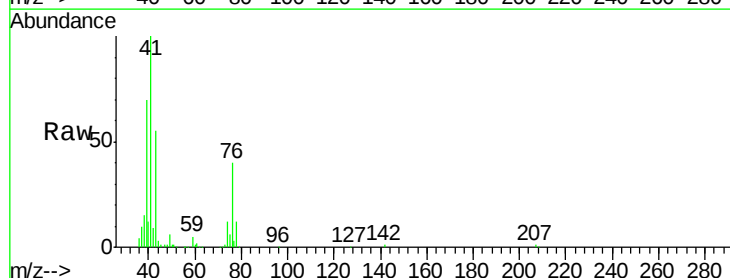
Tgt Ion: 41 Resp: 467653

Ion Ratio Lower Upper

41 100

39 67.2 62.5 93.7

76 36.9 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

200000

150000

100000

50000

0

Time-->

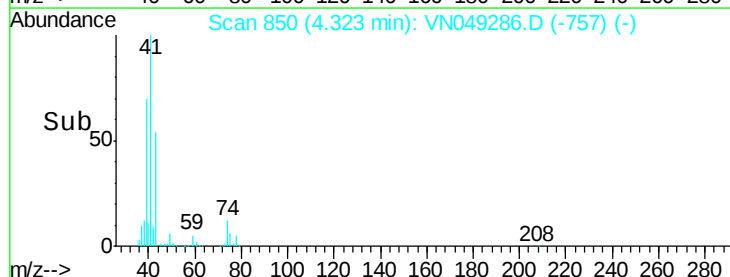
4.10

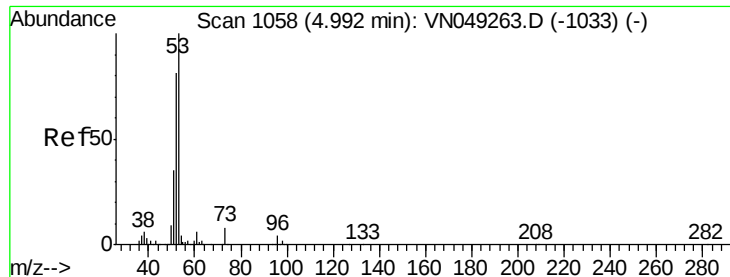
4.20

4.30

4.40

4.50





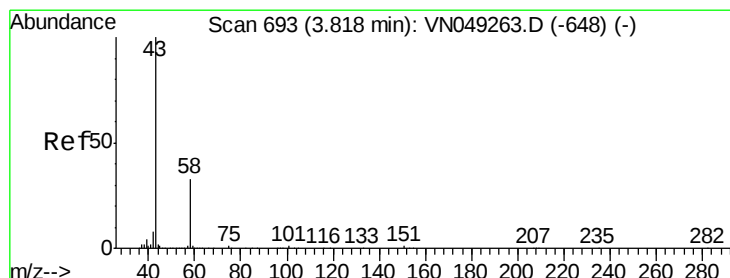
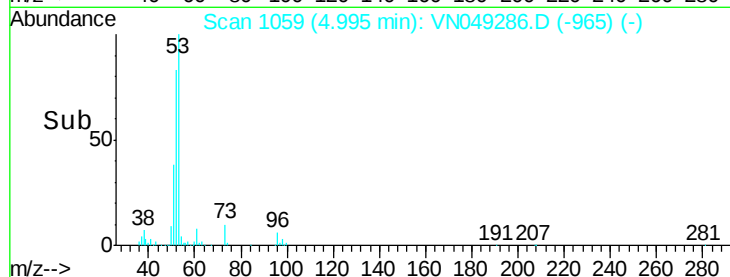
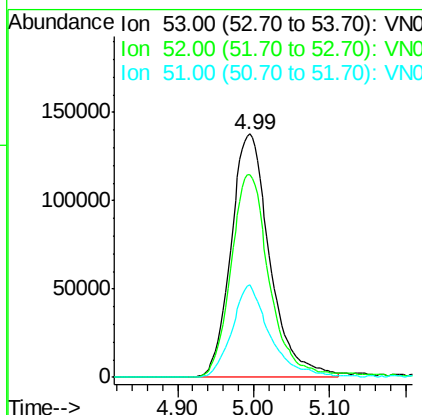
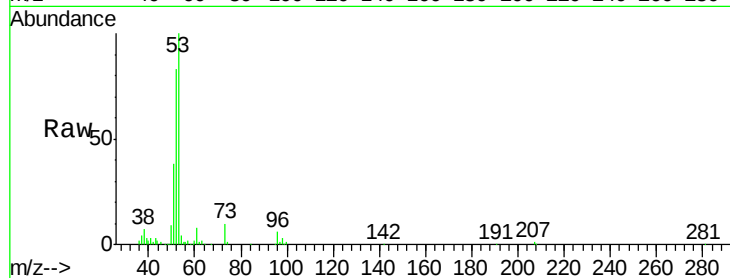
#15
 Acrylonitrile
 Concen: 89.77 ug/l
 RT: 4.99 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	100.0
51	37.0	29.8	44.8

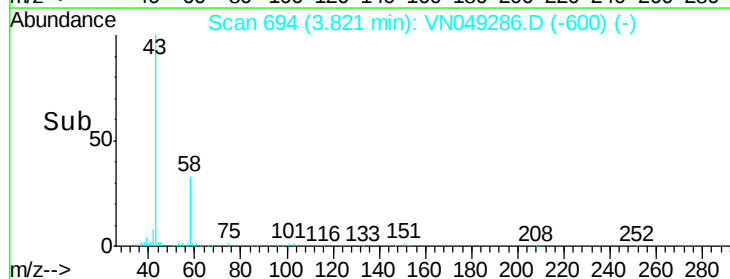
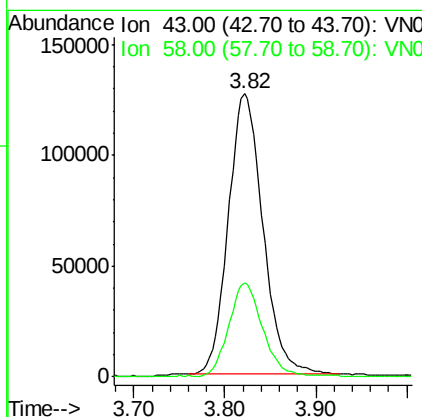
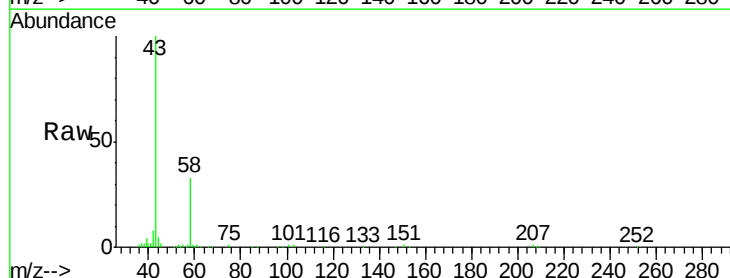
Manual Integrations
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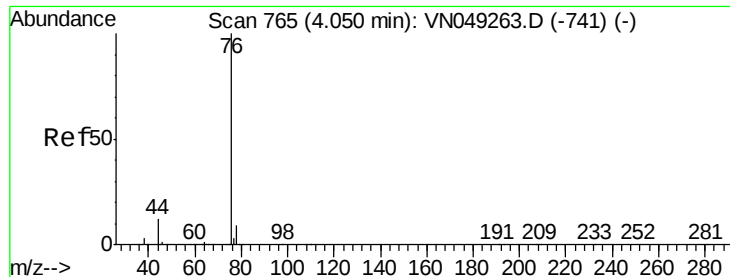
MMDadoda
 6/18/2018 3:16:16 PM



#16
 Acetone
 Concen: 74.26 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.1	22.4	33.6





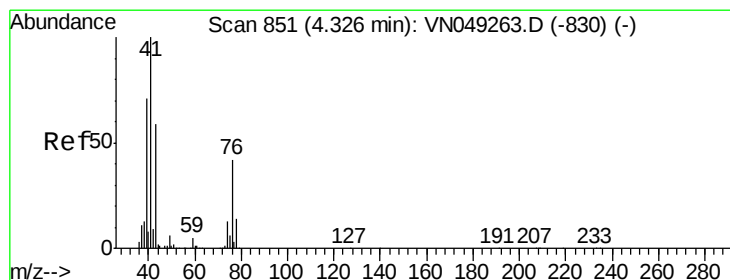
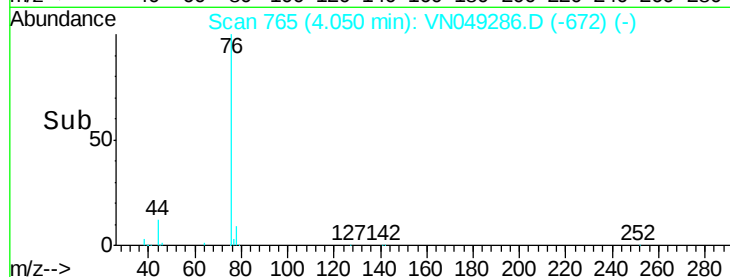
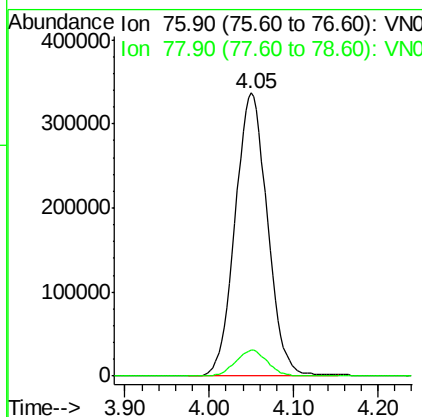
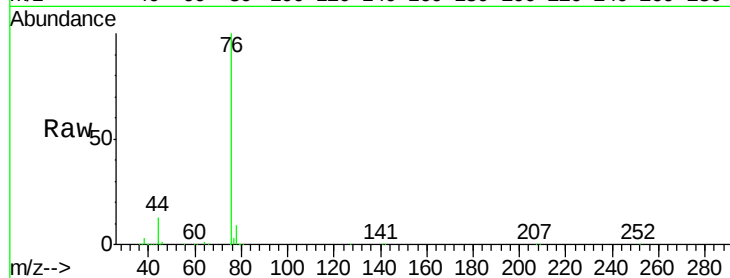
#17
Carbon Disulfide
Concen: 17.87 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

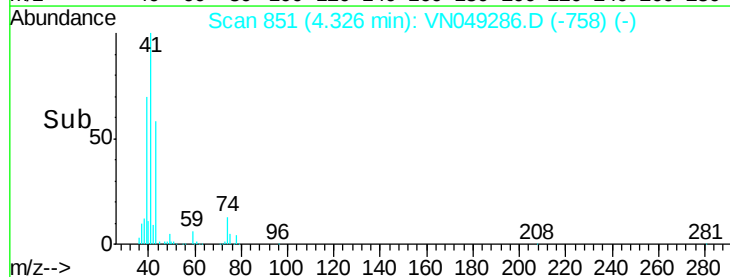
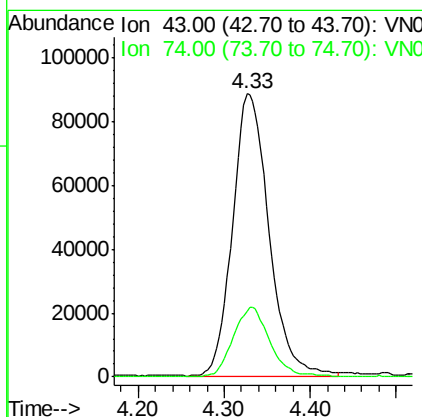
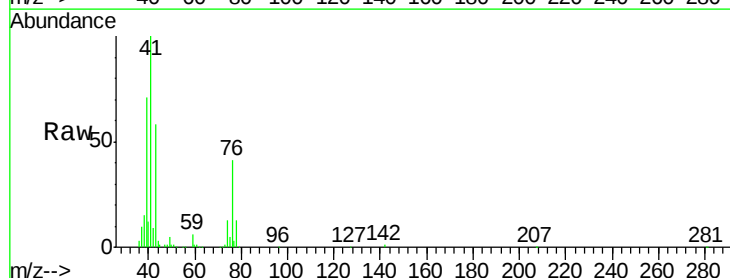
Manual Integrations
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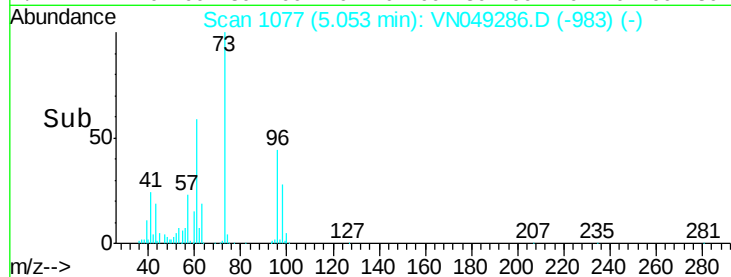
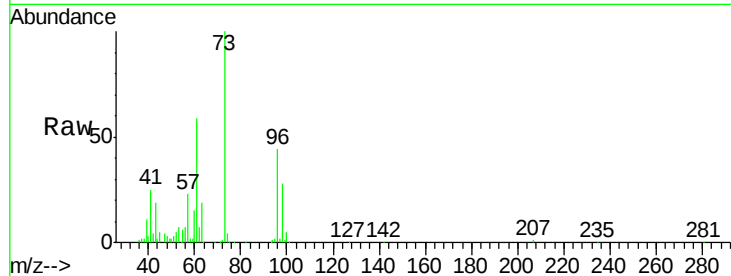
MMDadoda
6/18/2018 3:16:16 PM



#18
Methyl Acetate
Concen: 18.89 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	17.4	26.0





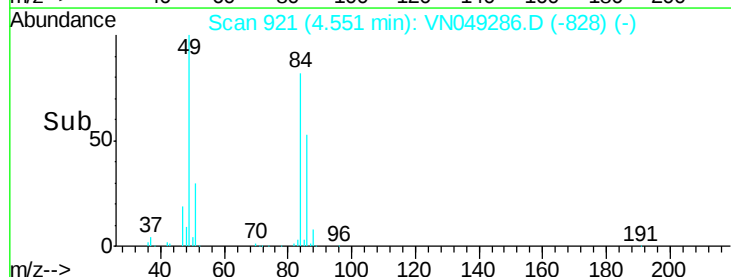
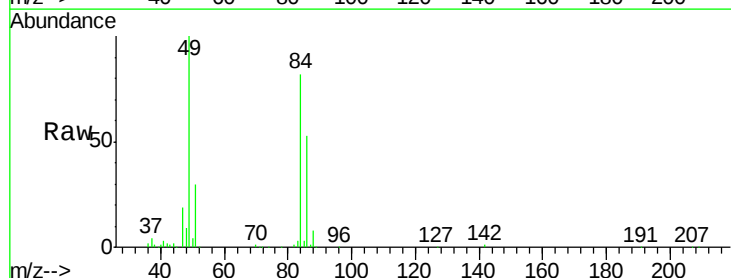
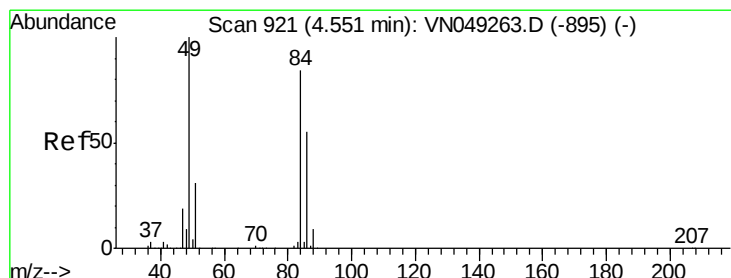
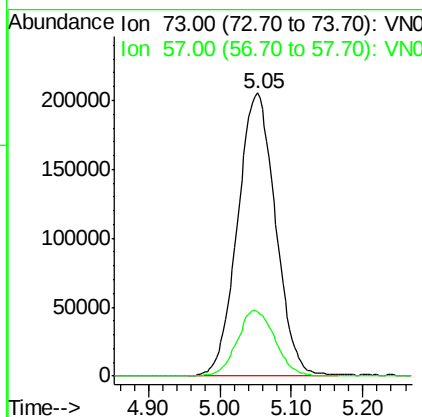
#19
Methvl tert-butvl Ether
Concen: 18.58 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tot Ion	73	Resp	760819
Ion Ratio	100	Lower	Upper
73	100		
57	22.7	18.2	27.4

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS02

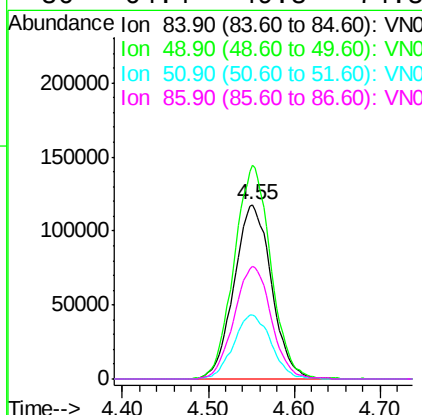
Manual Integrations
APPROVED

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



#20
Methylene Chloride
Concen: 18.88 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion	84	Resp	355559
Ion Ratio	100	Lower	Upper
84	100		
49	122.4	106.9	160.3
51	36.9	32.7	49.1
86	64.4	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 18.89 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

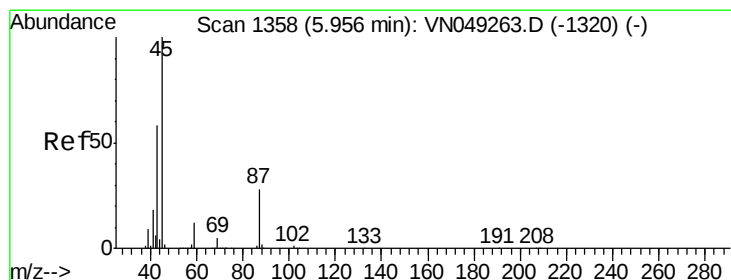
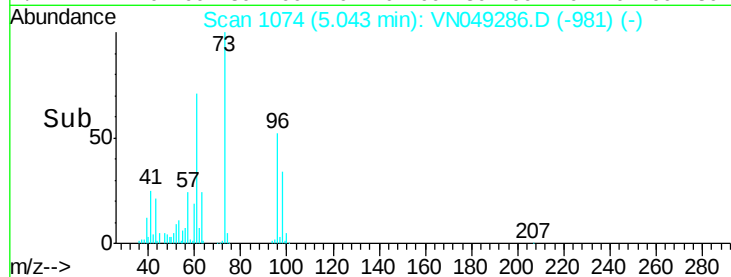
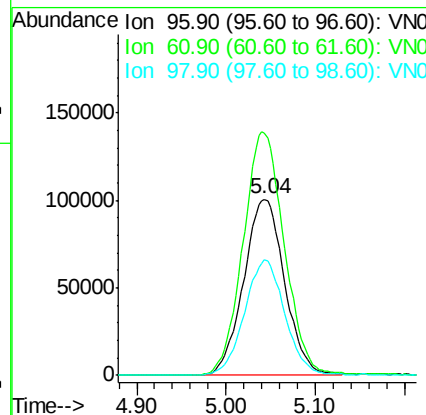
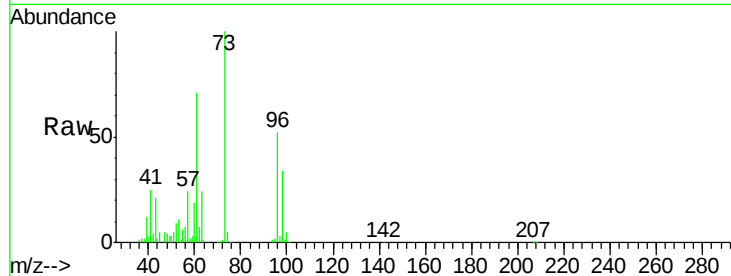
ClientSampleId :

VN0616WBS02

Tot Ion:	96	Resp:	321182
Ion	Ratio	Lower	Upper
96	100		
61	137.6	121.3	181.9
98	65.8	52.0	78.0

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



#22

Diisopropyl ether

Concen: 19.90 ug/l

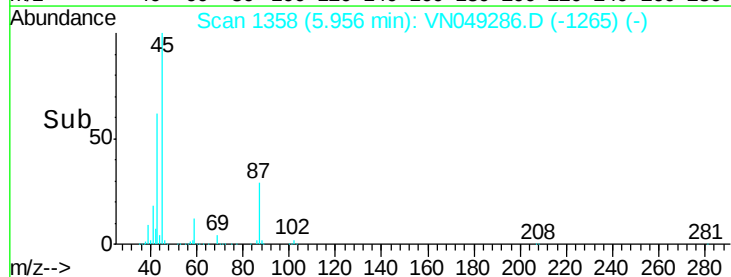
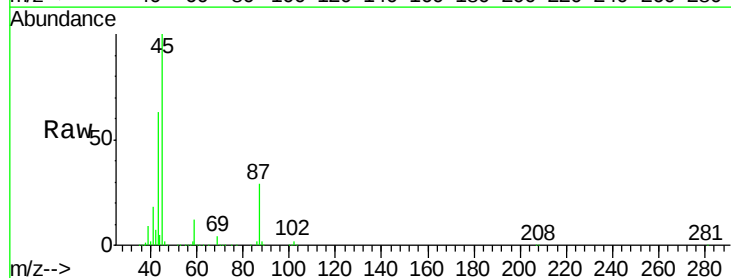
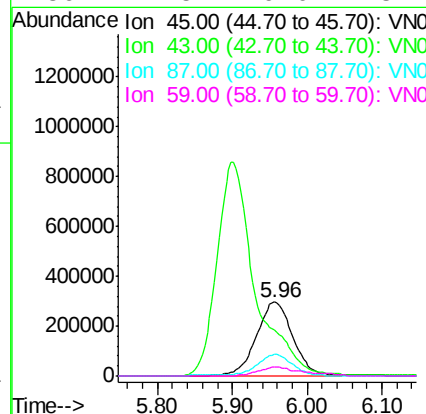
RT: 5.96 min Scan# 1358

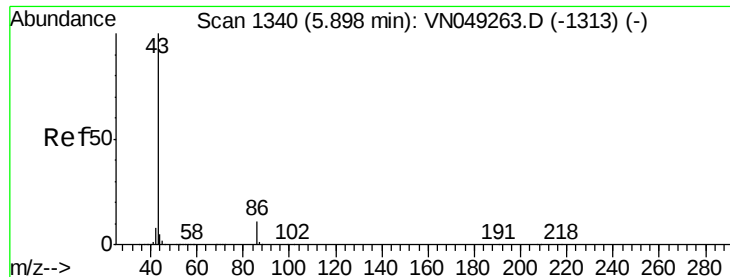
Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Tgt Ion:	45	Resp:	1007698
Ion	Ratio	Lower	Upper
45	100		
43	60.1	48.6	72.8
87	28.7	20.2	30.2
59	11.5	9.0	13.4





#23

Vinyl Acetate

Concen: 92.15 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Tot Ion: 43 Resp: 3041598

Ion Ratio Lower Upper

43 100

86 10.7 7.2 10.8

Instrument :

MSVOA_N

ClientSampleId :

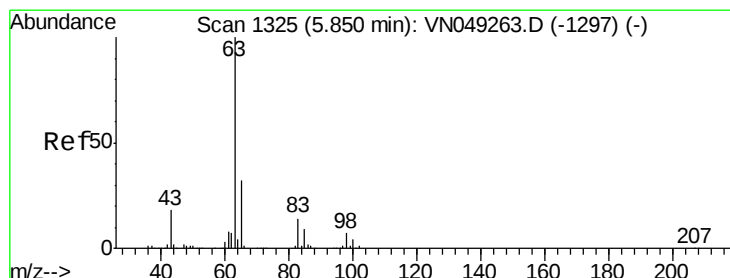
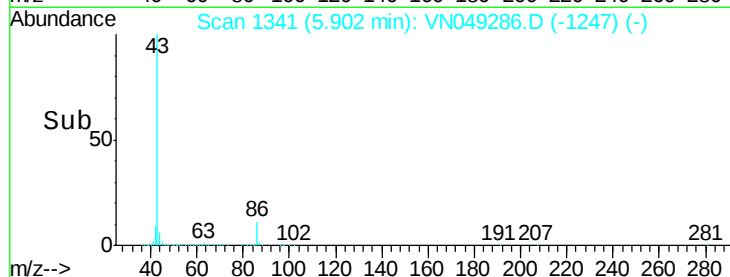
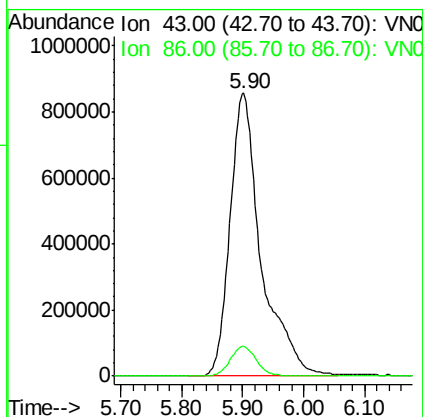
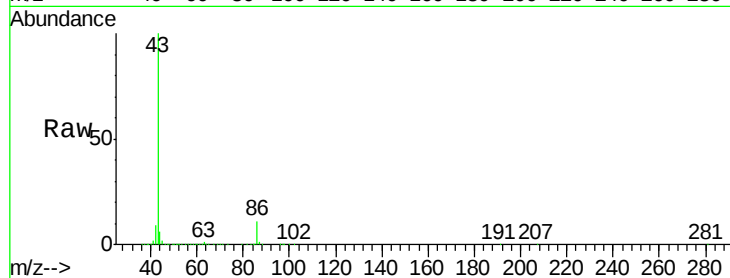
VN0616WBS02

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.38 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

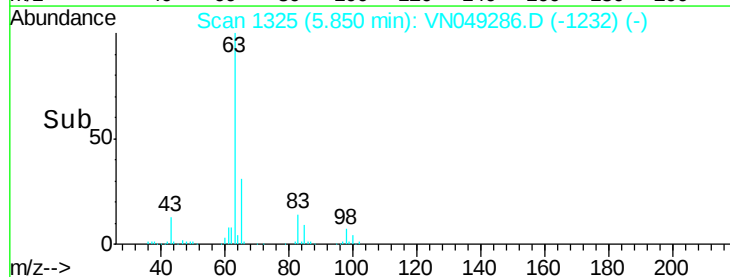
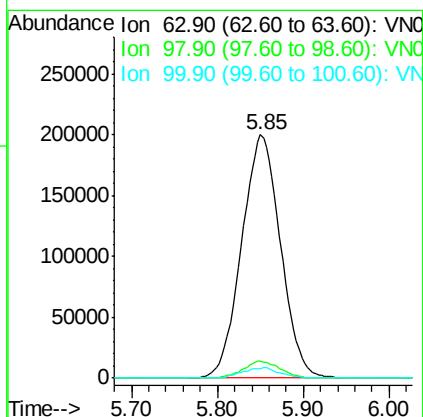
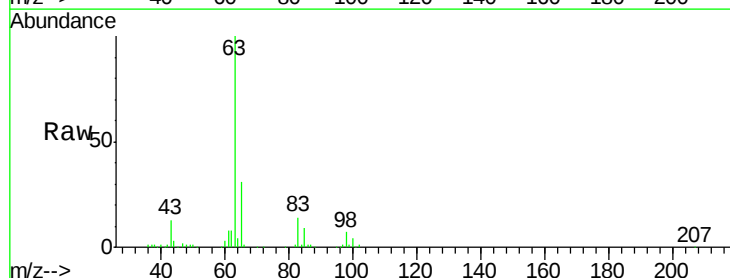
Tgt Ion: 63 Resp: 628042

Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.8

100 4.0 2.1 6.3





#25

2-Butanone

Concen: 82.56 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS02

Tot Ion: 43 Resp: 500009

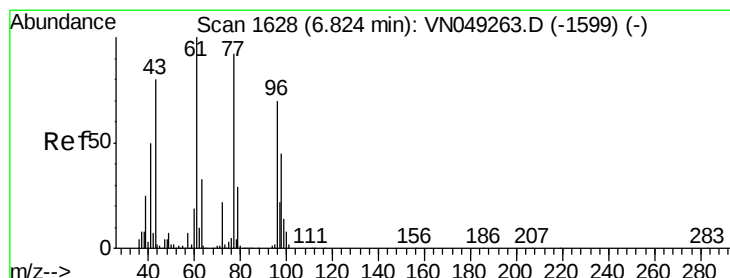
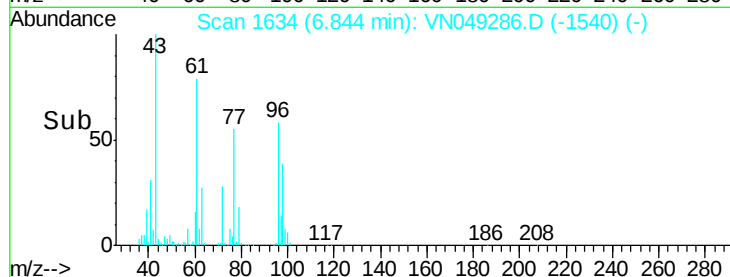
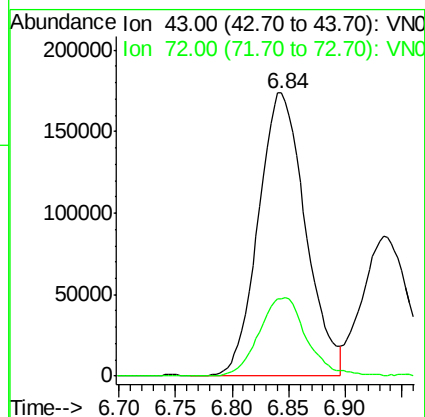
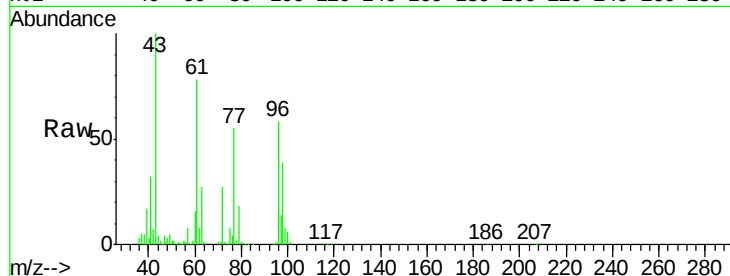
Ion Ratio Lower Upper

43 100

72 27.5 20.2 30.2

Manual Integrations
APPROVED

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



#26

2,2-Dichloropropane

Concen: 15.59 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049286.D

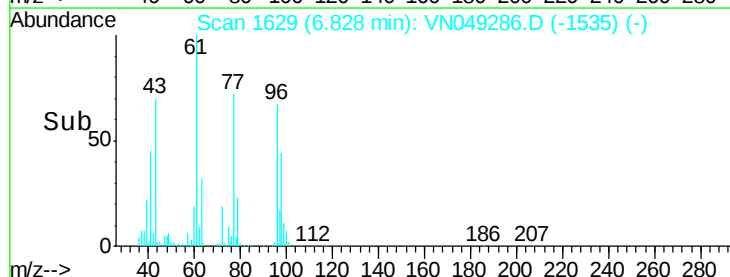
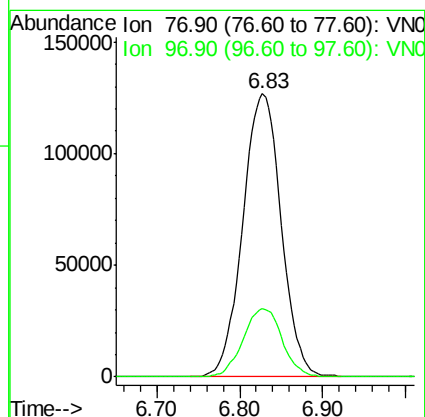
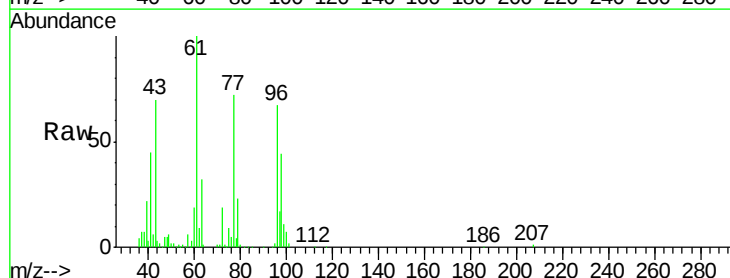
Acq: 16 Jun 2018 3:52

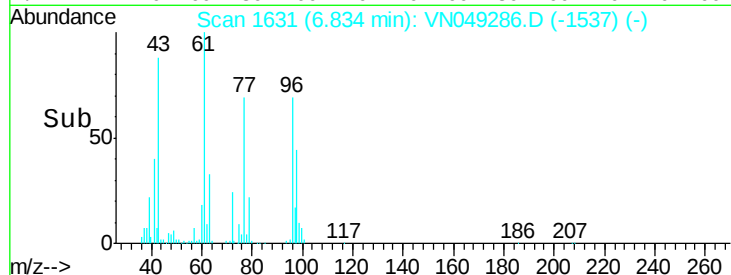
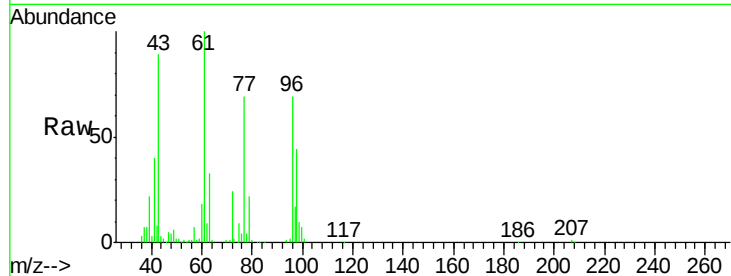
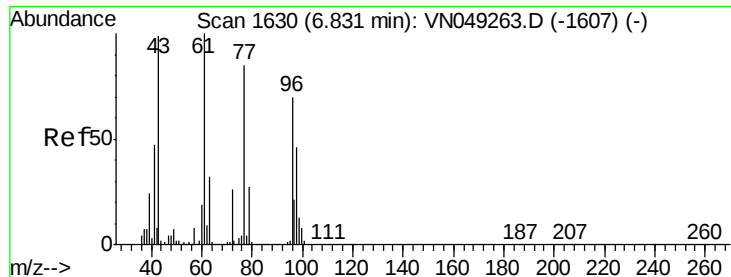
Tgt Ion: 77 Resp: 408034

Ion Ratio Lower Upper

77 100

97 24.6 11.0 33.0





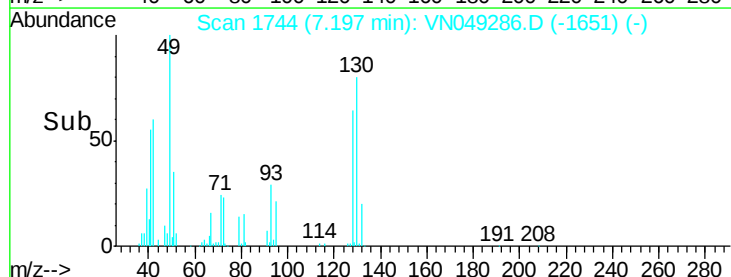
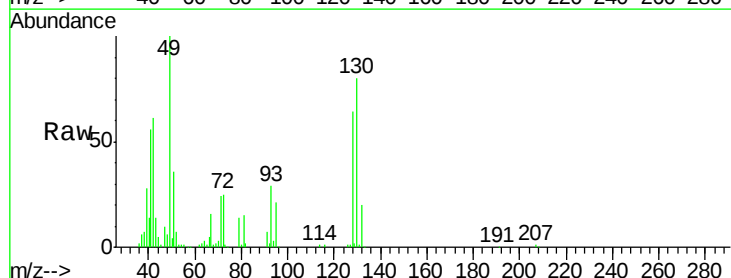
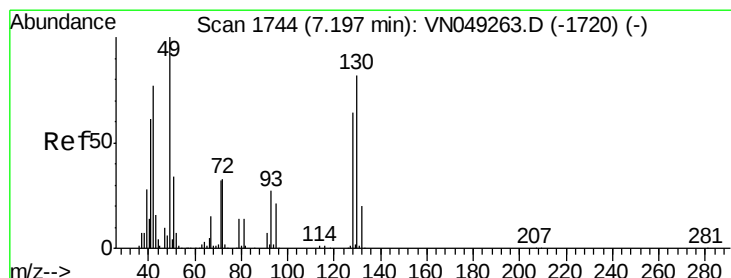
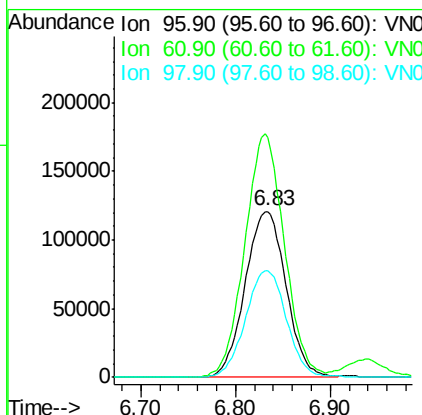
#27
 cis-1,2-Dichloroethene
 Concen: 19.17 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tot Ion:	96	Resp:	362369
Ion Ratio	Lower	Upper	
96	100		
61	141.9	0.0	316.4
98	64.5	0.0	128.4

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS02

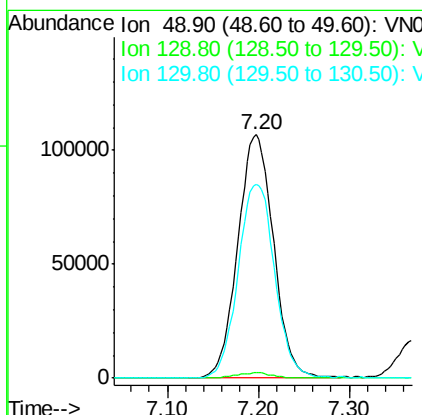
Manual Integrations
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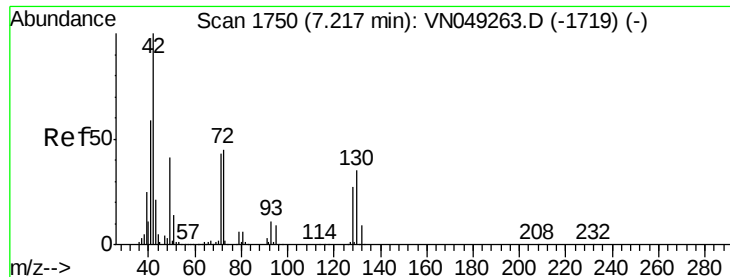
MMDadoda
 6/18/2018 3:16:16 PM



#28
 Bromochloromethane
 Concen: 20.29 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion:	49	Resp:	291587
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	3.8
130	81.6	54.9	82.3





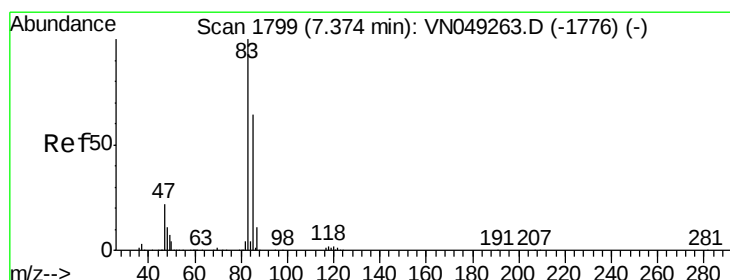
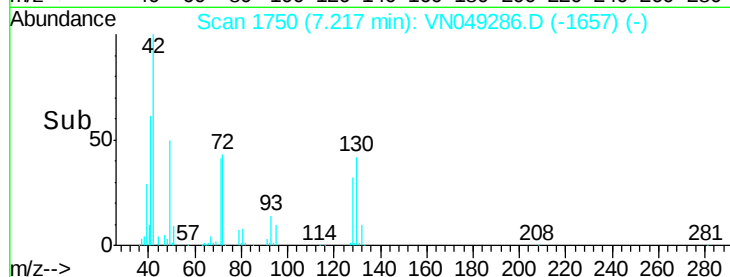
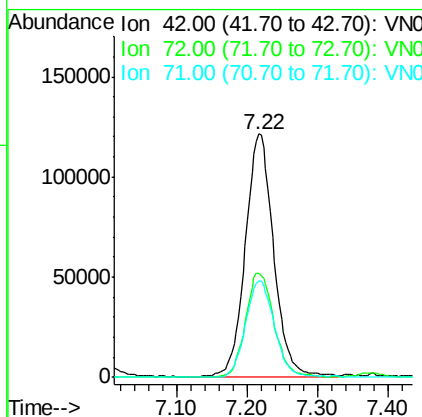
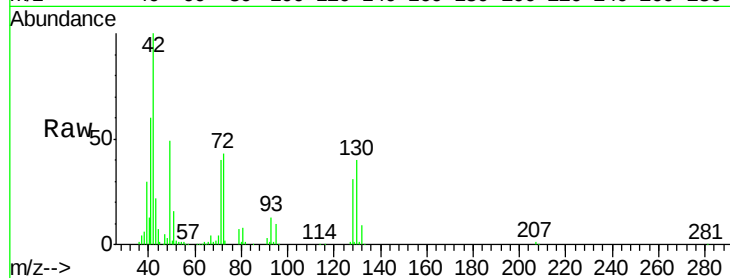
#29
Tetrahydrofuran
Concen: 86.65 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	32.2	48.4
71	40.3	30.5	45.7

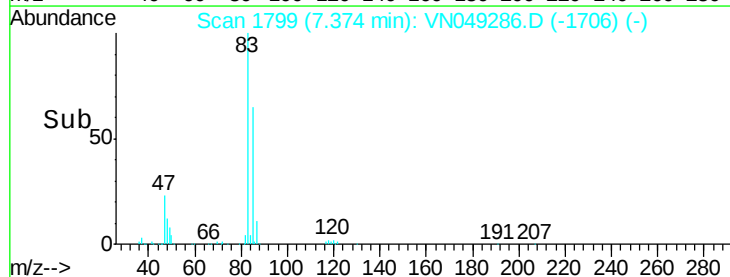
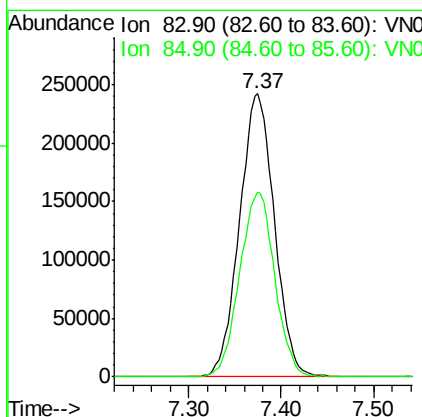
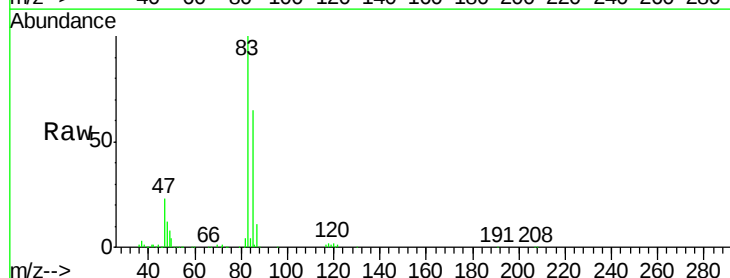
Manual Integrations
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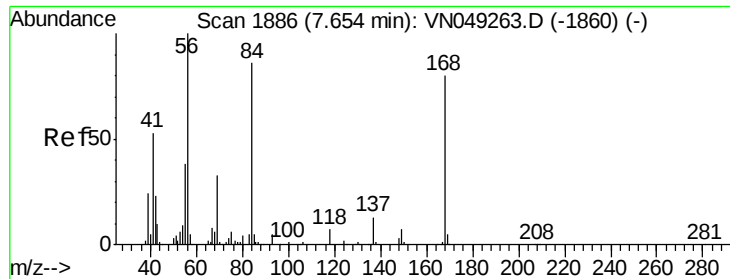
MMDadoda
6/18/2018 3:16:16 PM



#30
Chloroform
Concen: 19.59 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.7	77.5





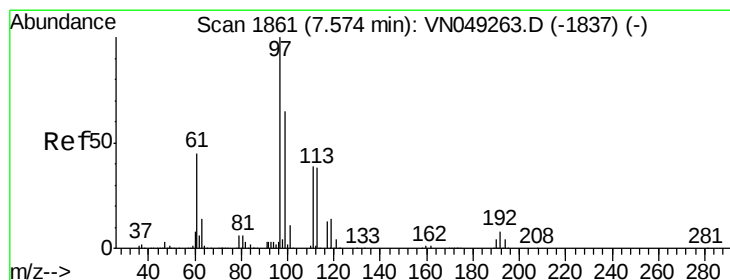
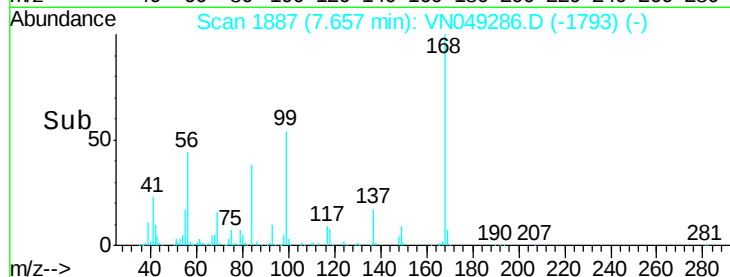
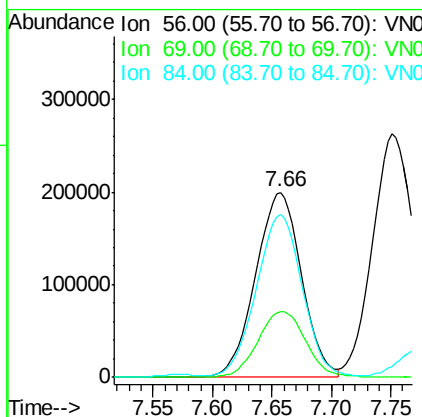
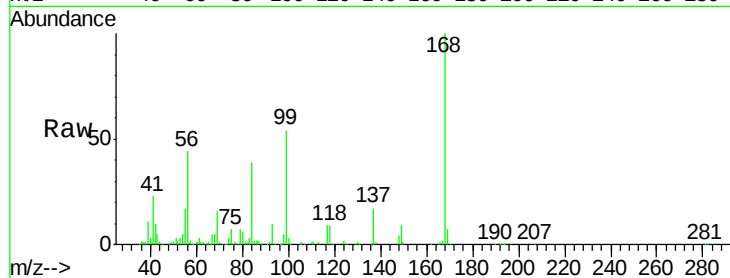
#31
Cyclohexane
Concen: 19.31 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	25.0	37.4
84	86.4	64.6	96.8

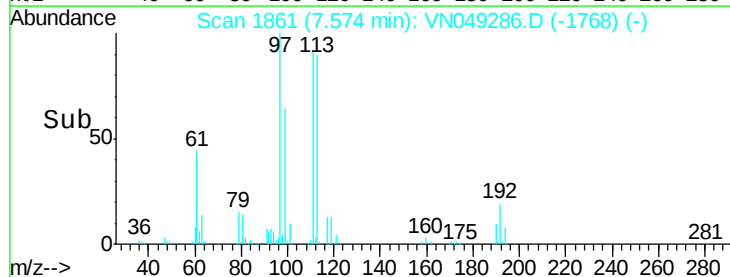
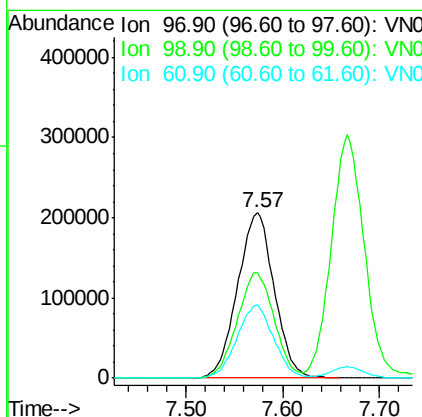
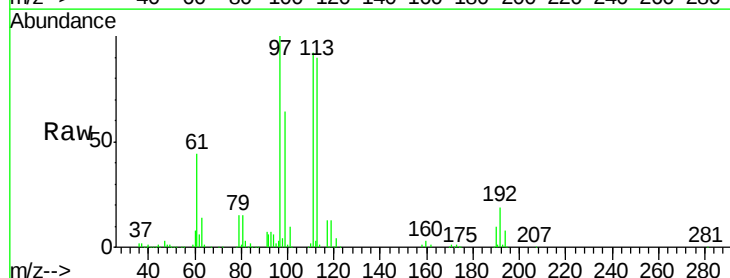
Manual Integrations
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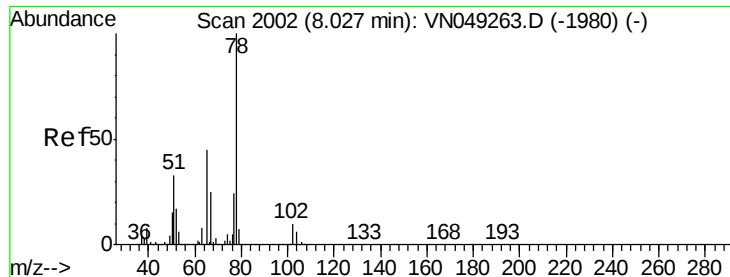
MMDadoda
6/18/2018 3:16:16 PM



#32
1,1,1-Trichloroethane
Concen: 19.73 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.5	75.7
61	44.2	37.9	56.9





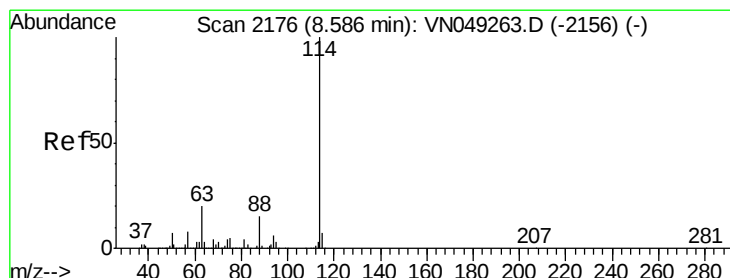
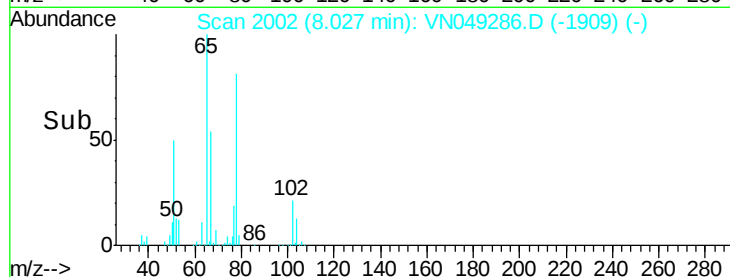
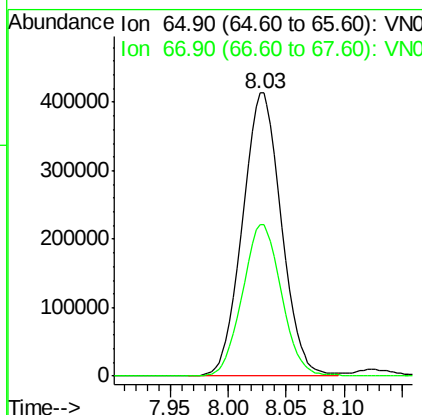
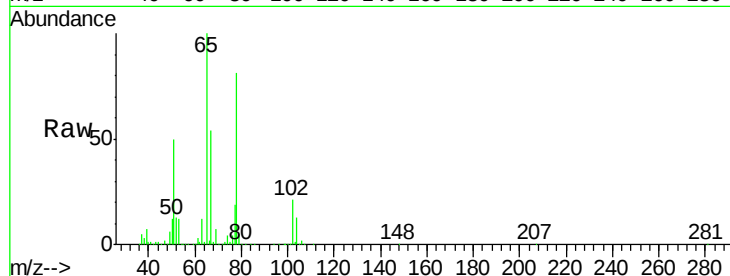
#33
 1,2-Dichloroethane-d4
 Concen: 52.10 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.7	0.0	103.8	

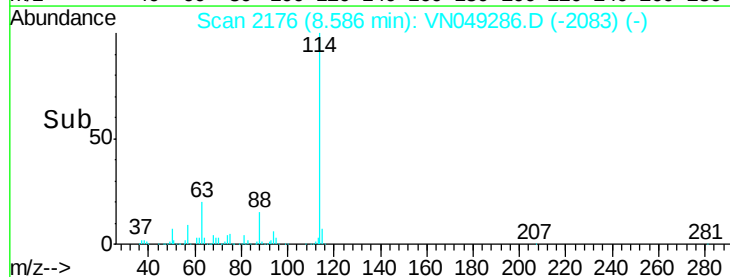
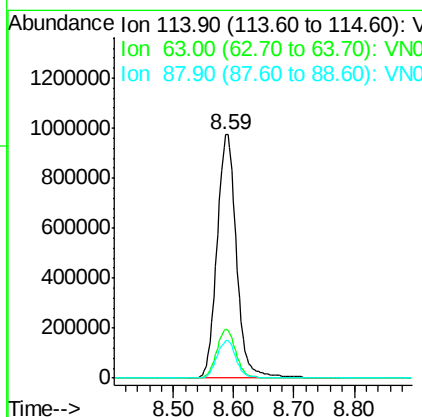
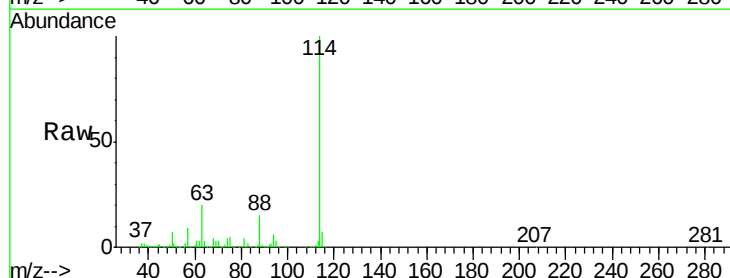
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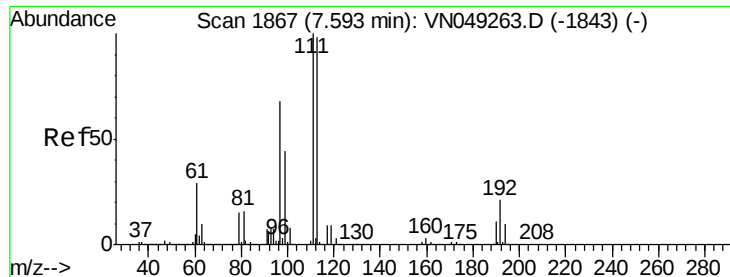
MMDadoda
 6/18/2018 3:16:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	44.4	
88	15.4	0.0	31.4	





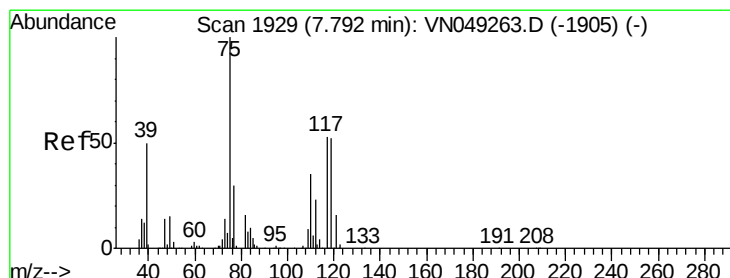
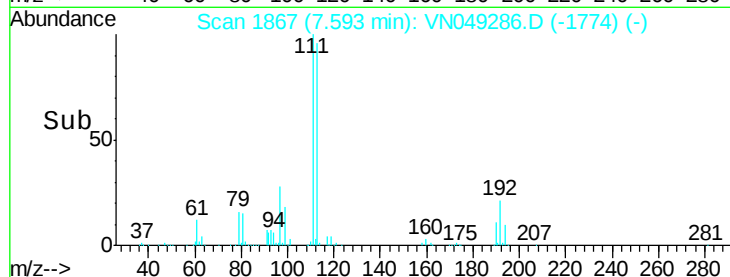
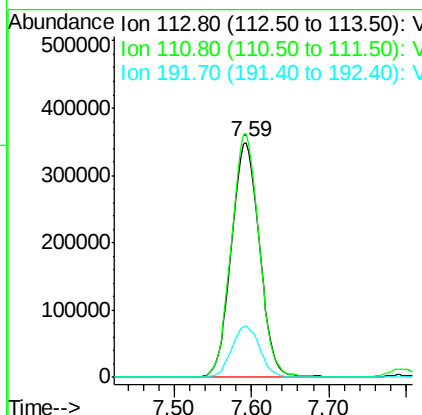
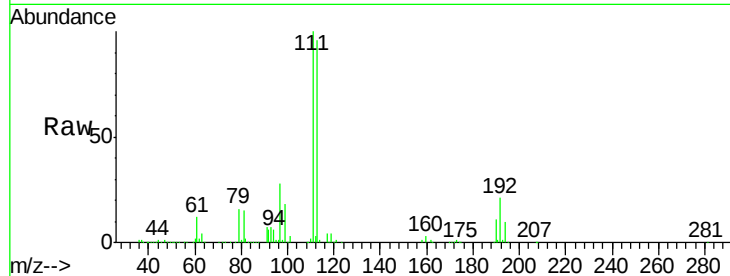
#35
 Dibromofluoromethane
 Concen: 50.45 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	878120		
111	102.6		82.4	123.6
192	21.8		15.0	22.6

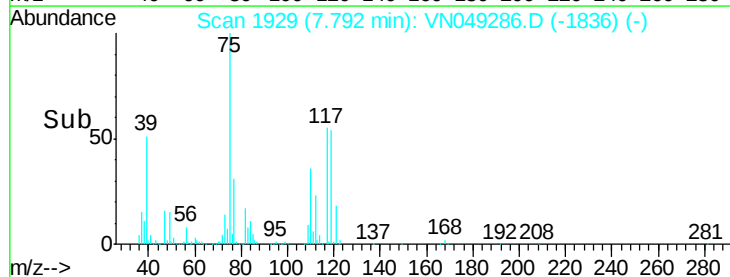
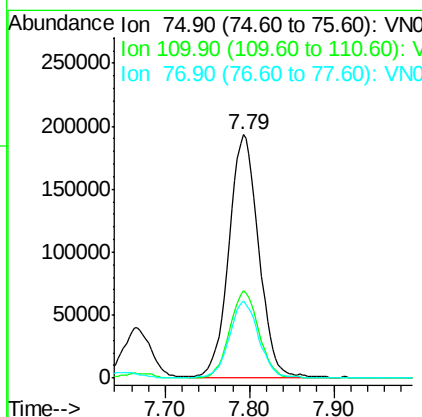
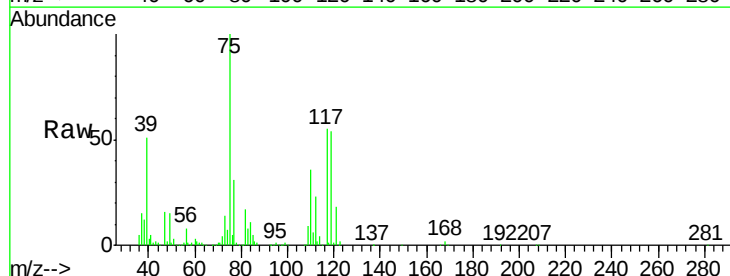
Manual Integrations
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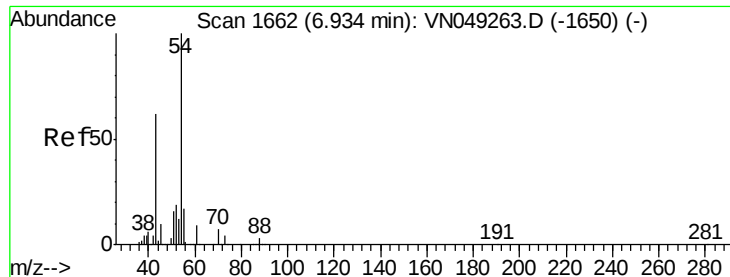
MMDadoda
 6/18/2018 3:16:16 PM



#36
 1,1-Dichloropropene
 Concen: 19.20 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	473356		
110	35.4		17.0	50.9
77	31.4		24.4	36.6





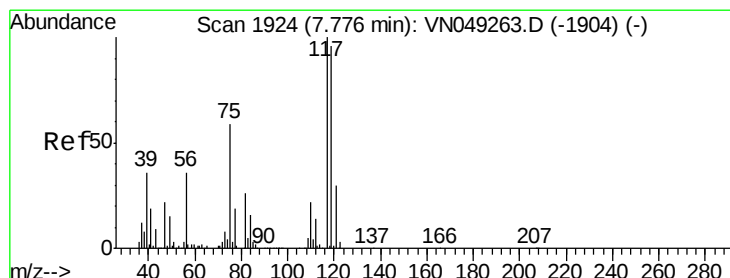
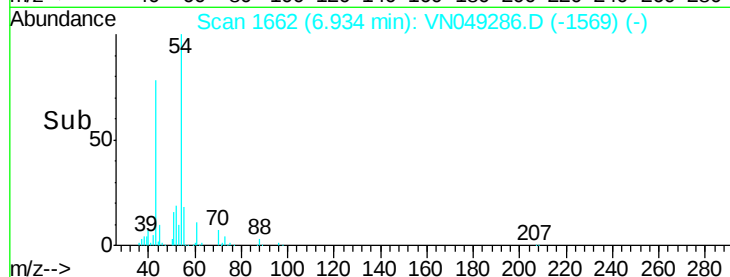
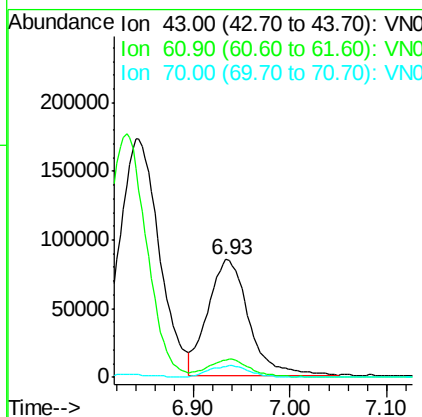
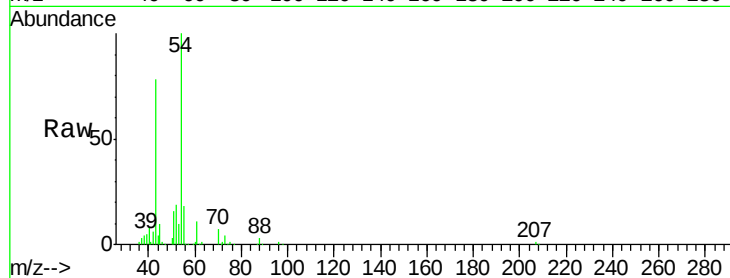
#37
Ethyl Acetate
Concen: 18.62 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.4
70	9.4	7.2	10.8

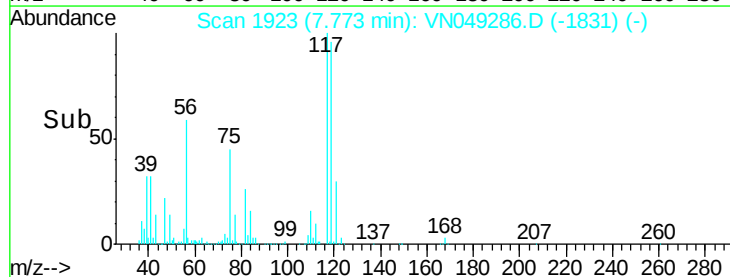
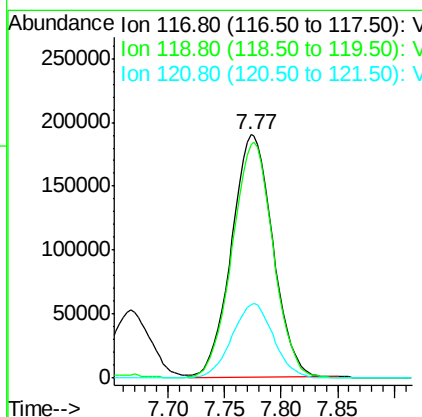
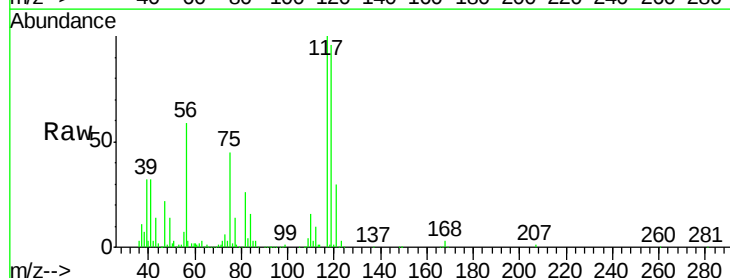
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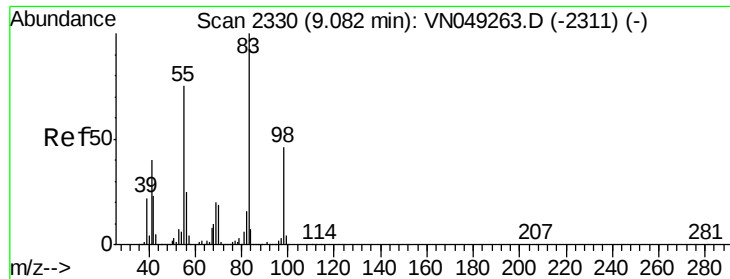
MMDadoda
6/18/2018 3:16:16 PM



#38
Carbon Tetrachloride
Concen: 18.83 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.6	113.4
121	30.3	24.7	37.1





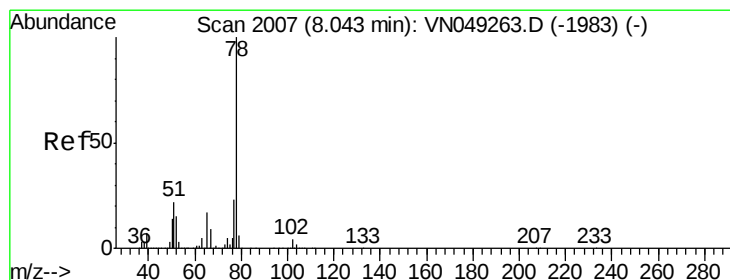
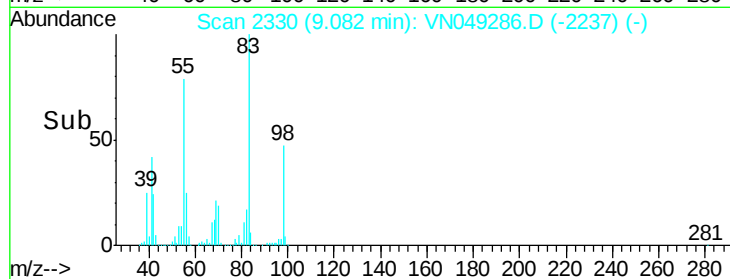
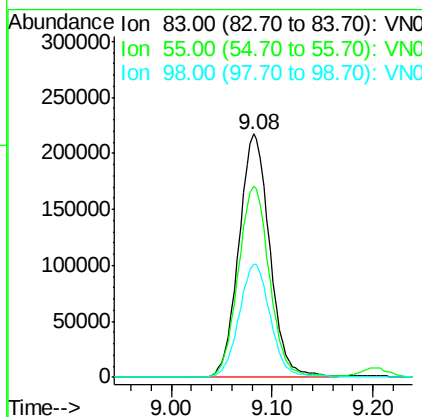
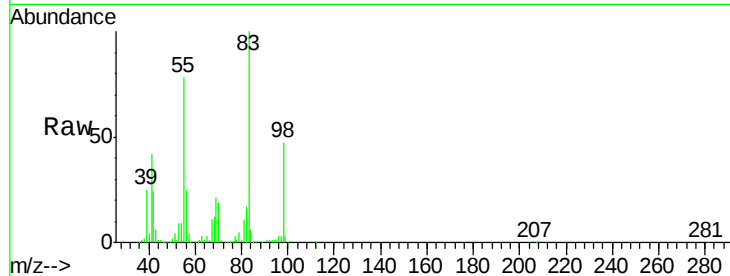
#39
Methvlcvclohexane
Concen: 17.40 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampled :
VN0616WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	65.1	97.7
98	46.5	36.5	54.7

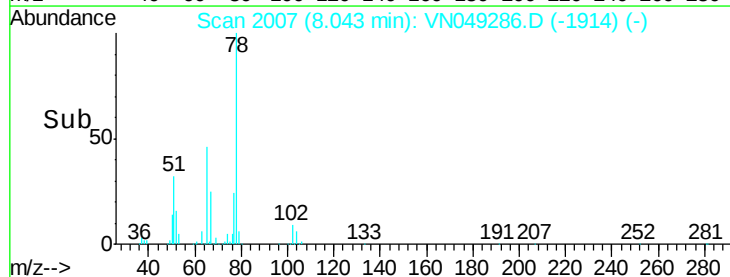
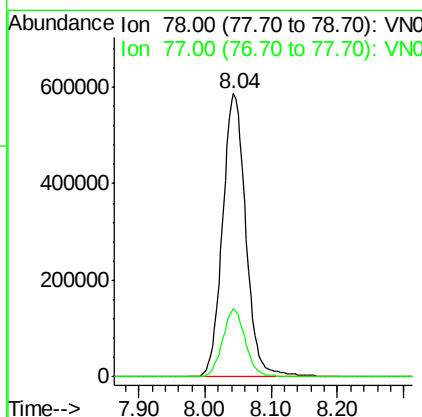
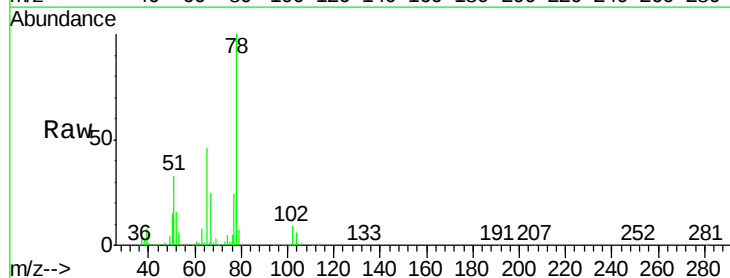
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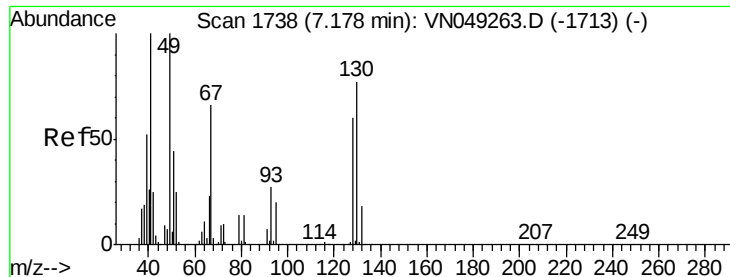
MMDadoda
6/18/2018 3:16:16 PM



#40
Benzene
Concen: 18.97 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





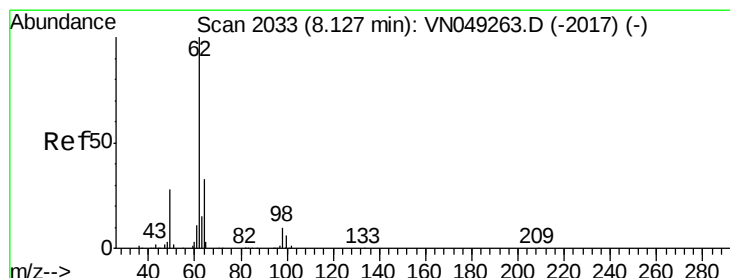
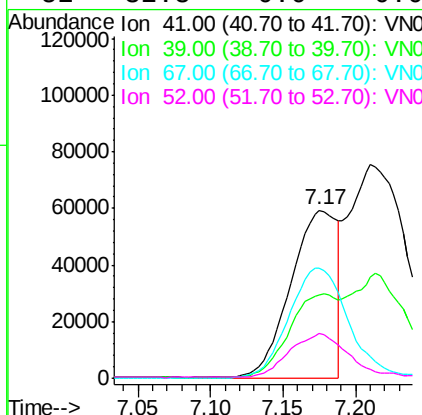
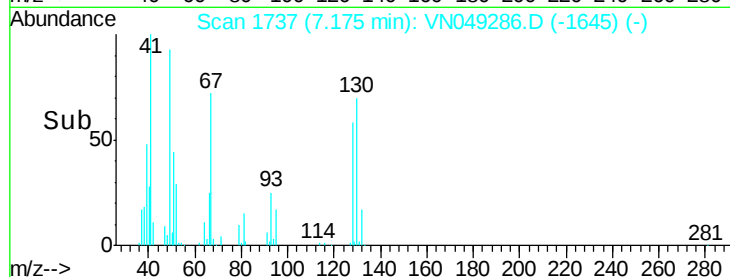
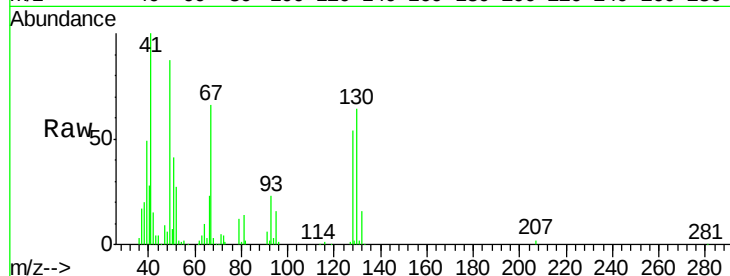
#41
Methacrylonitrile
Concen: 17.99 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.6	0.0	0.0#
67	86.7	0.0	0.0#
52	32.8	0.0	0.0#

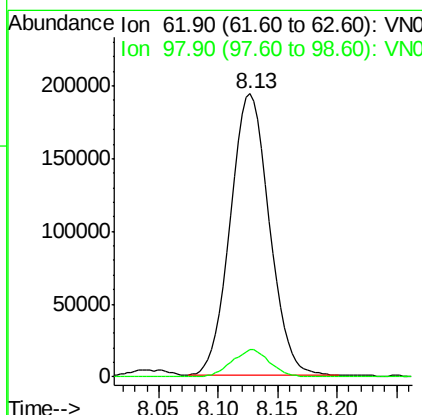
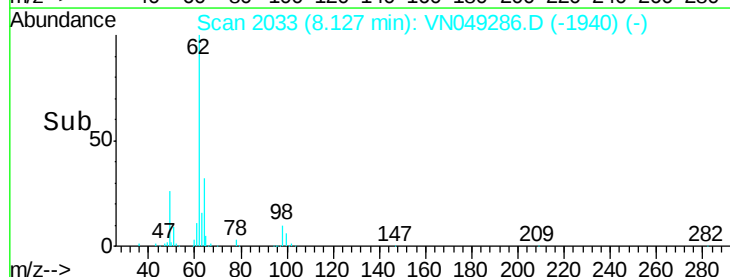
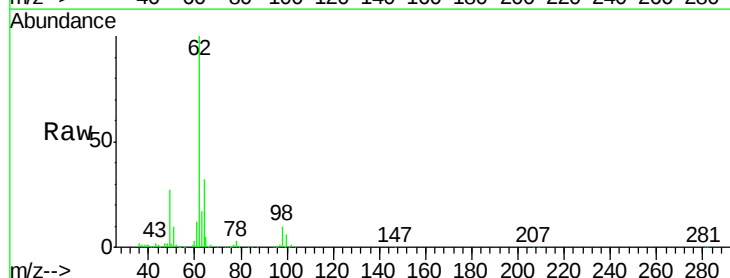
Manual Integrations
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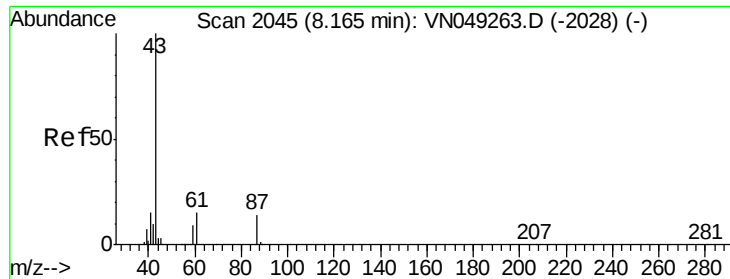
MMDadoda
6/18/2018 3:16:16 PM



#42
1,2-Dichloroethane
Concen: 18.82 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	16.2





#43

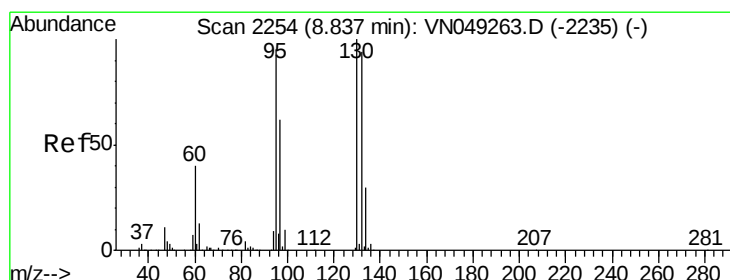
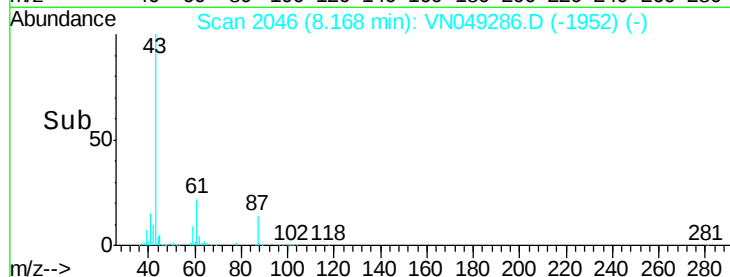
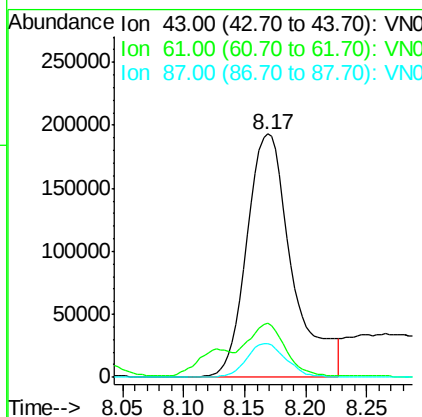
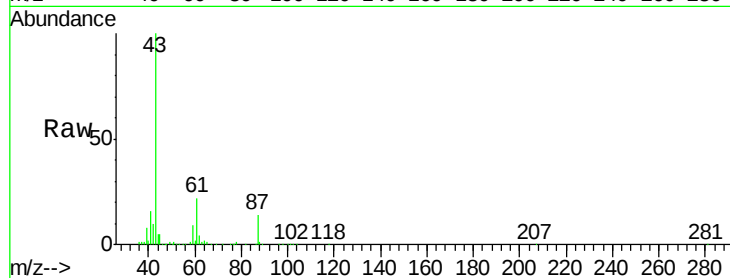
Isopropyl Acetate
 Concen: 19.28 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.2	21.4
87	12.3	9.4	14.0

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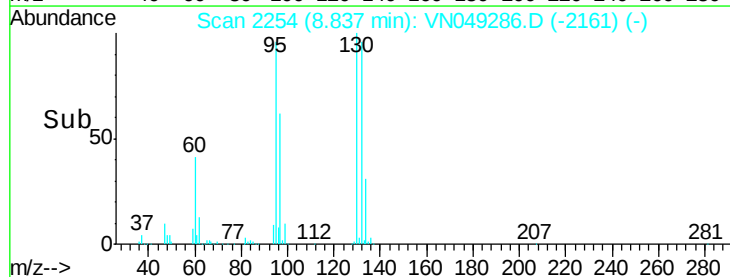
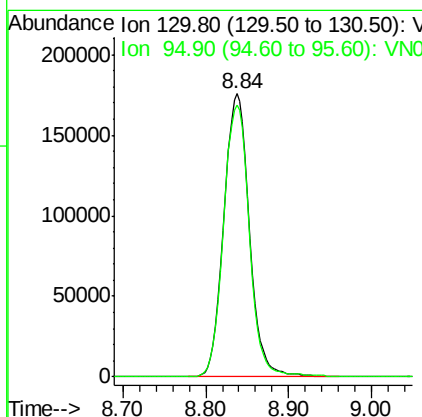
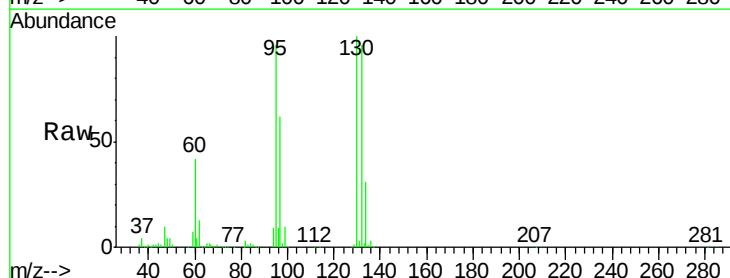
MMDadoda
 6/18/2018 3:16:16 PM



#44

Trichloroethene
 Concen: 18.87 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	208.6





#45

1,2-Dichloropropane

Concen: 18.94 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Tot Ion: 63 Resp: 374878

Ion Ratio Lower Upper

63 100

65 31.4 24.8 37.2

Instrument :

MSVOA_N

ClientSampleId :

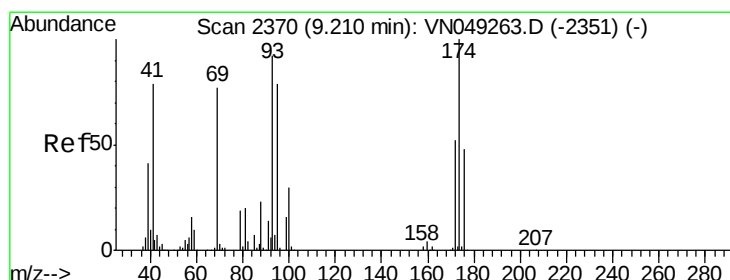
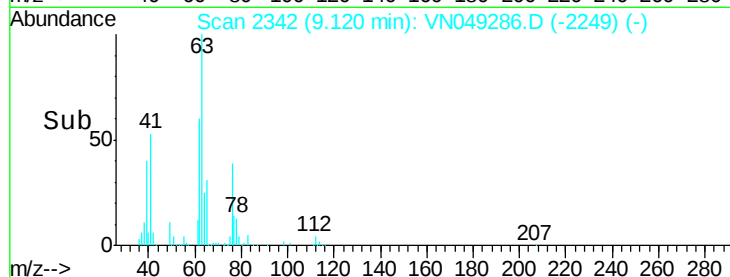
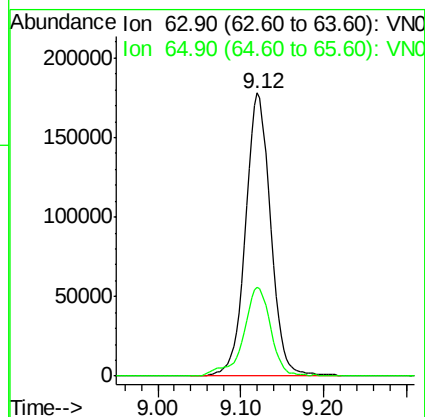
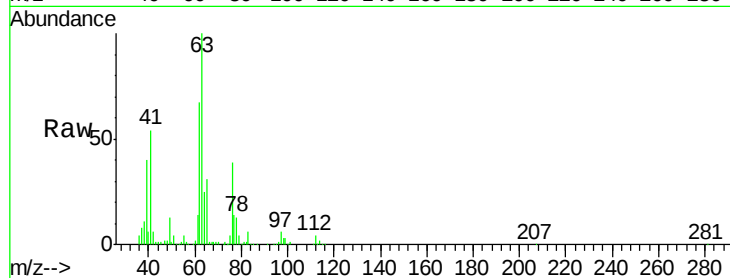
VN0616WBS02

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#46

Dibromomethane

Concen: 18.89 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

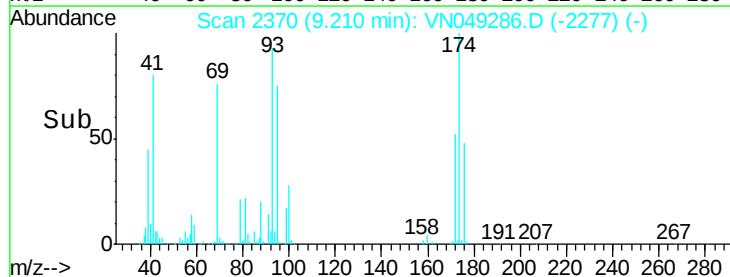
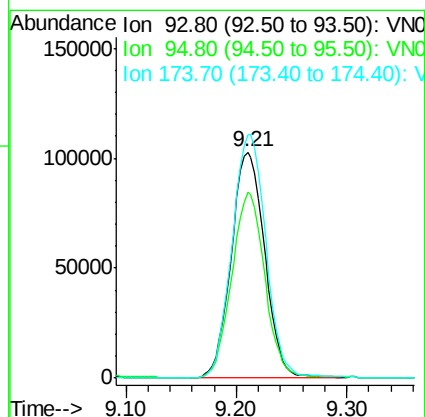
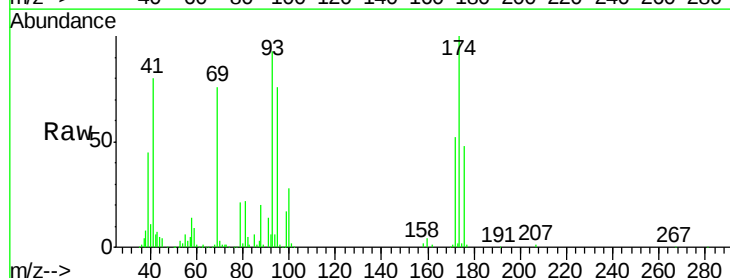
Tgt Ion: 93 Resp: 216830

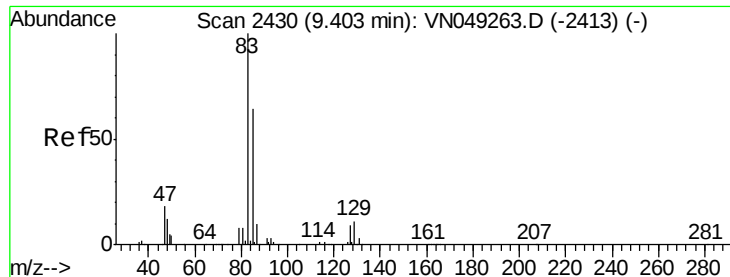
Ion Ratio Lower Upper

93 100

95 81.4 67.2 100.8

174 107.9 75.6 113.4





#47

Bromodichloromethane

Concen: 18.82 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

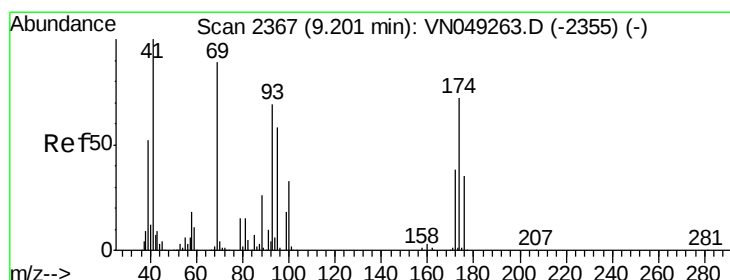
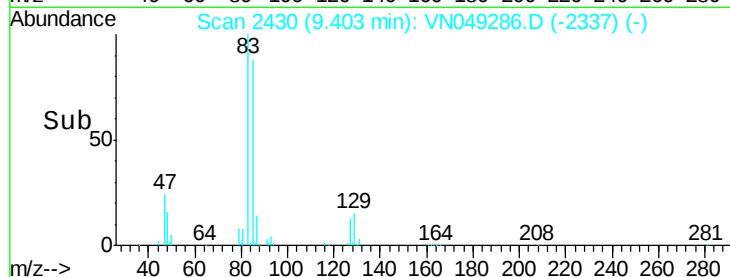
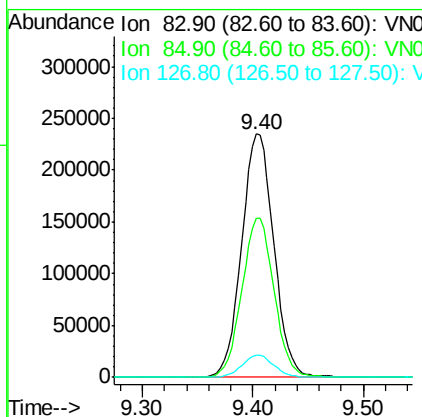
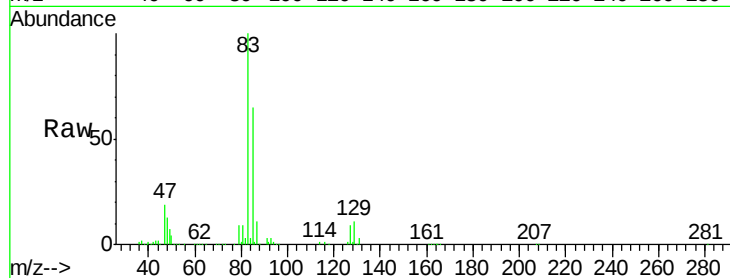
ClientSampleId :

VN0616WBS02

Tot Ion:	83	Resp:	474608
Ion Ratio	Lower	Upper	
83	100		
85	65.2	49.4	74.0
127	9.3	6.3	9.5

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#48

Methyl methacrylate

Concen: 17.74 ug/l

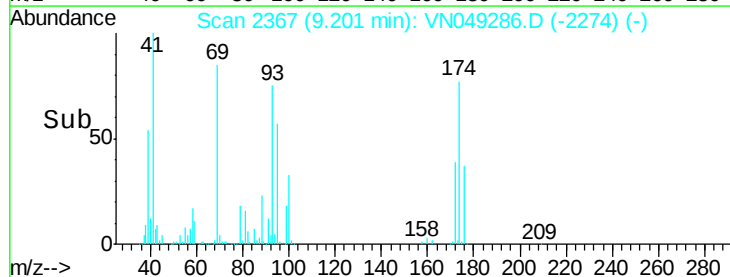
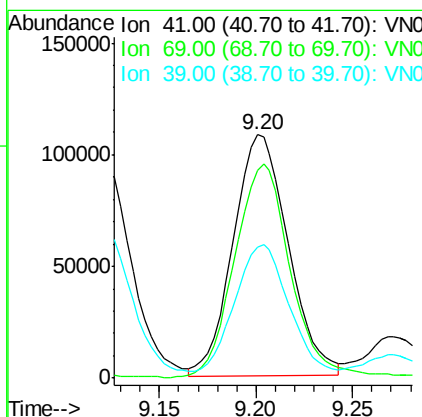
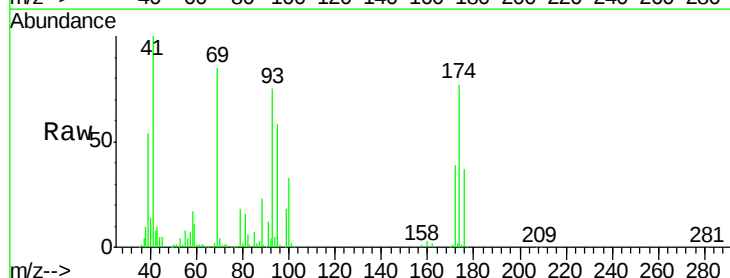
RT: 9.20 min Scan# 2367

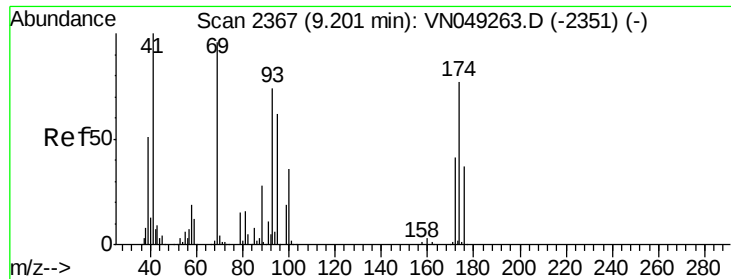
Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Tgt Ion:	41	Resp:	213977
Ion Ratio	Lower	Upper	
41	100		
69	89.6	62.0	93.0
39	55.9	50.6	75.8





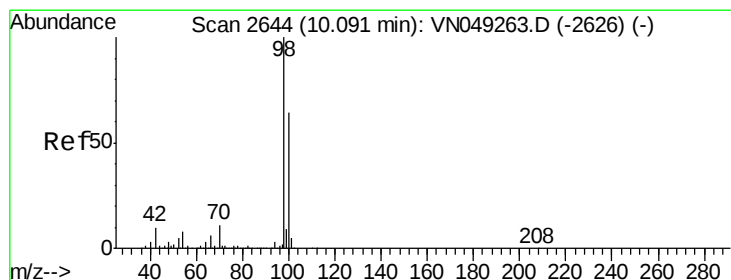
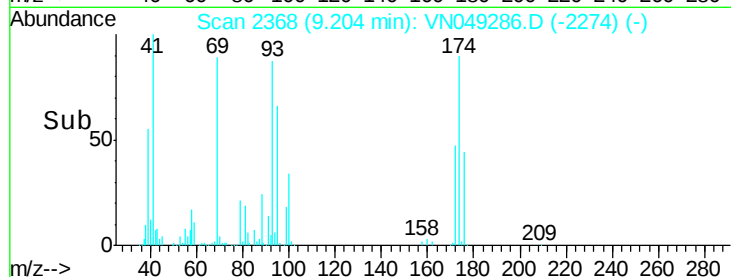
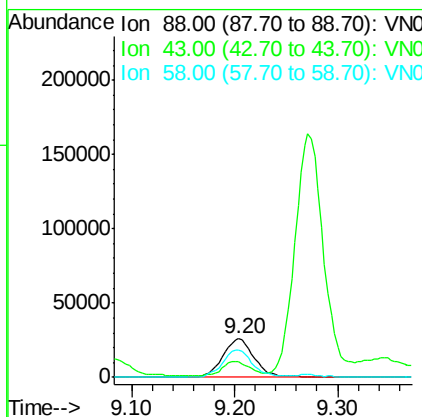
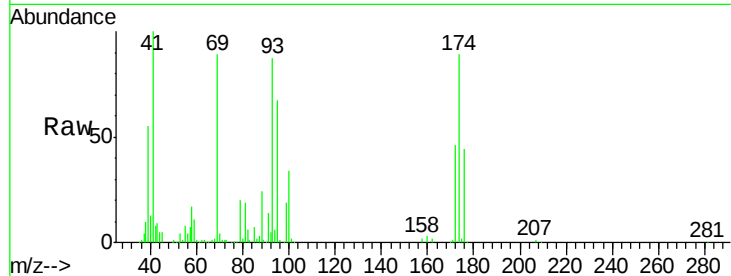
#49
1,4-Dioxane
Concen: 333.15 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	30.9	46.3#
58	67.9	58.9	88.3

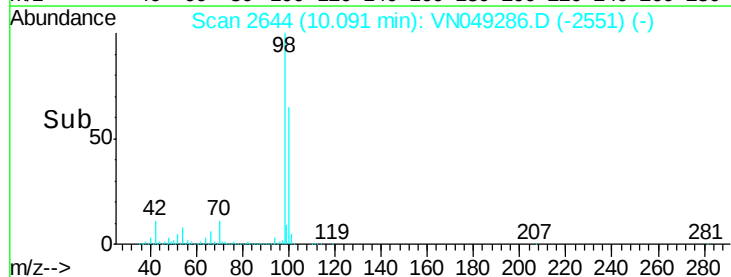
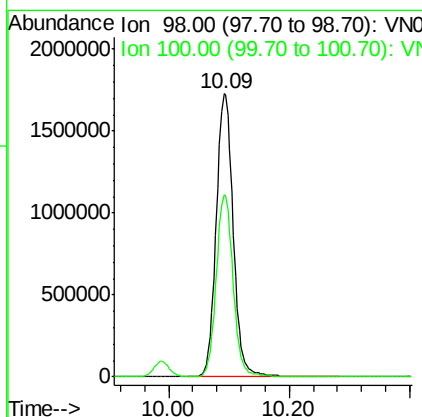
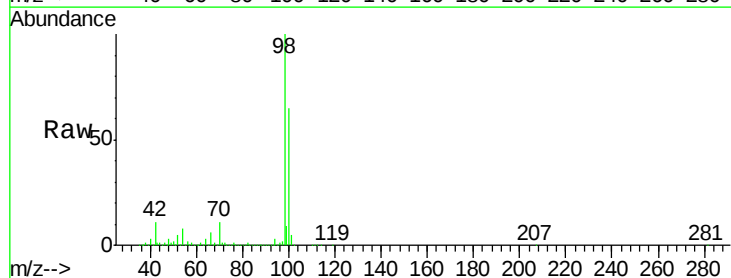
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#50
Toluene-d8
Concen: 49.94 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	49.8	74.8





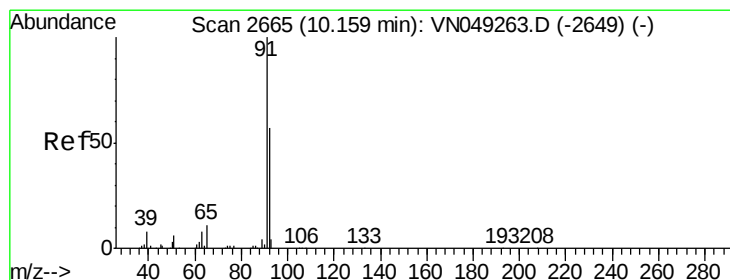
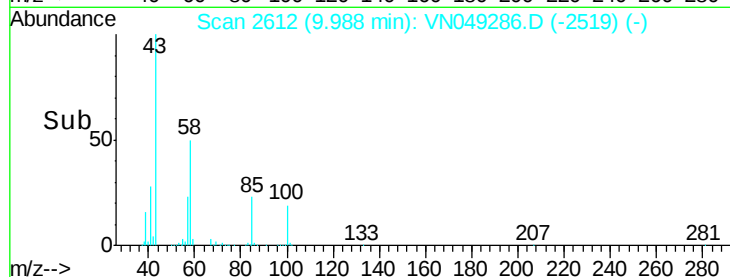
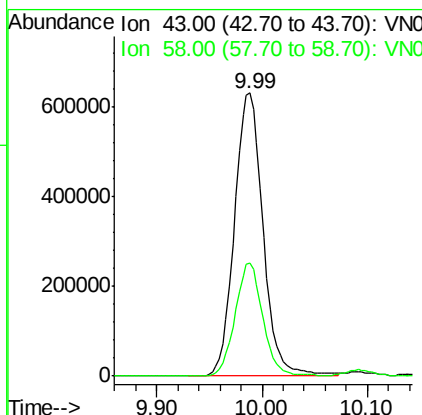
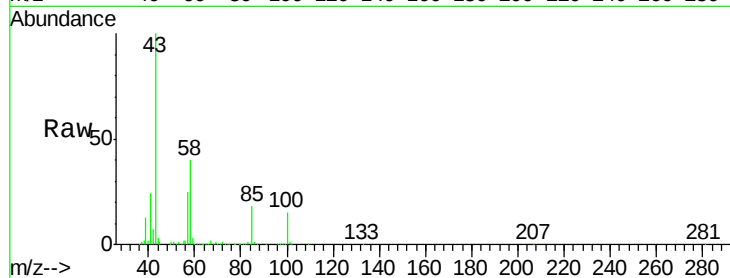
#51
4-Methyl-2-Pentanone
Concen: 87.71 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS02

Tot Ion: 43 Resp: 1177362
Ion Ratio Lower Upper
43 100
58 39.0 29.0 43.6

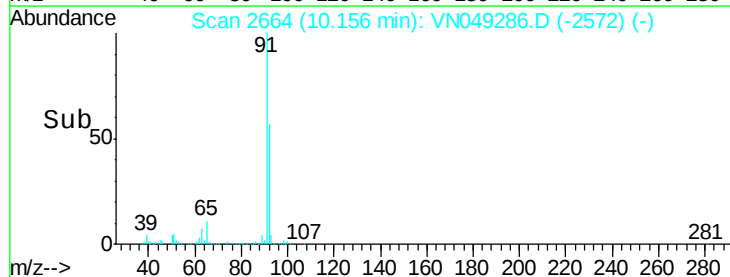
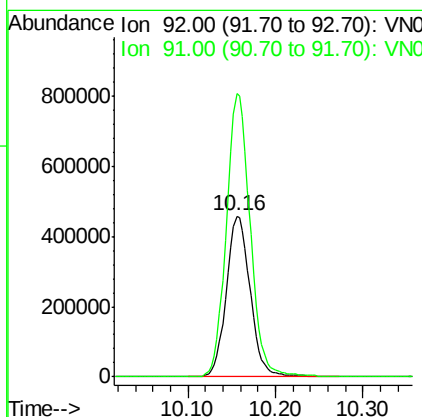
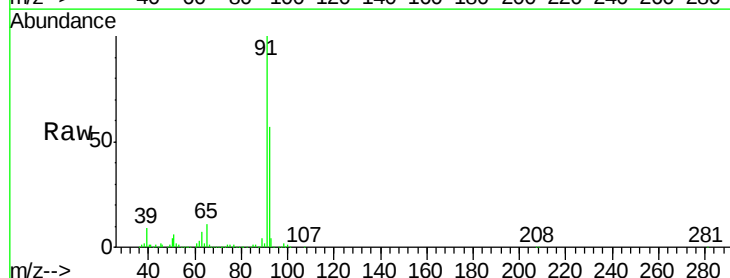
Manual Integrations
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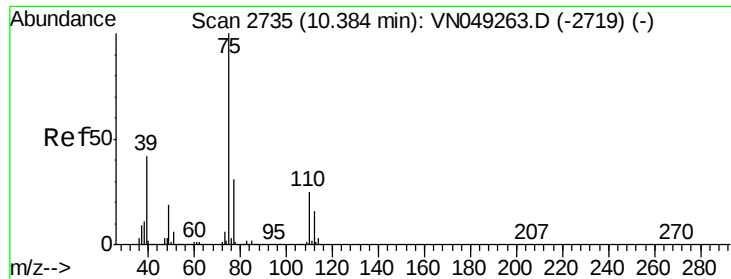
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#52
Toluene
Concen: 19.53 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion: 92 Resp: 866636
Ion Ratio Lower Upper
92 100
91 176.5 143.4 215.2





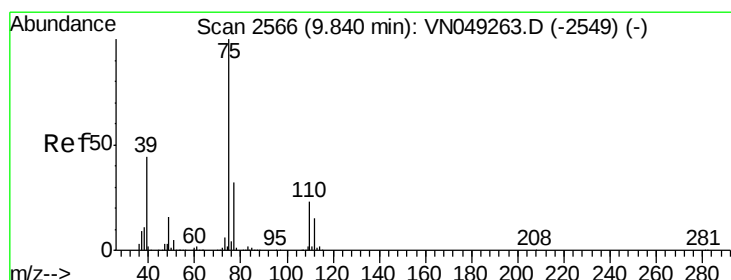
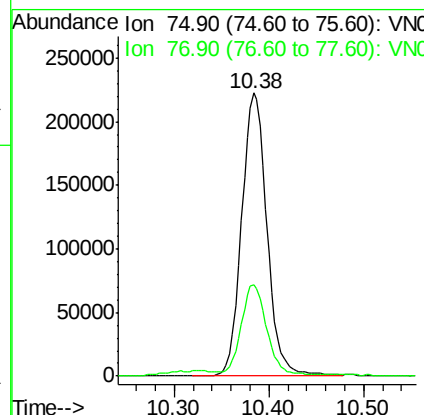
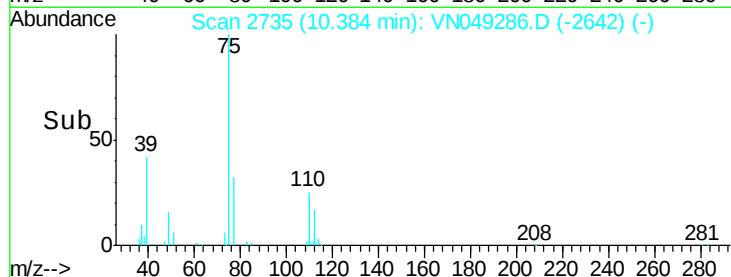
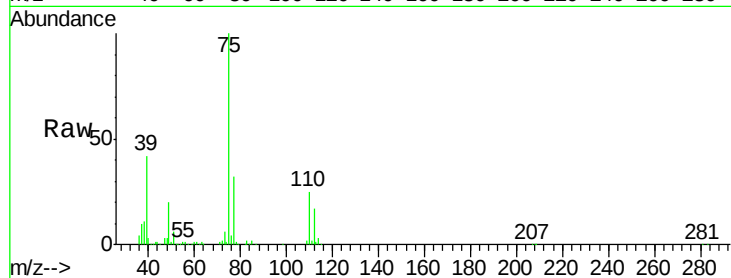
#53
t-1,3-Dichloropropene
Concen: 17.12 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS02

Tot Ion: 75 Resp: 413002
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8

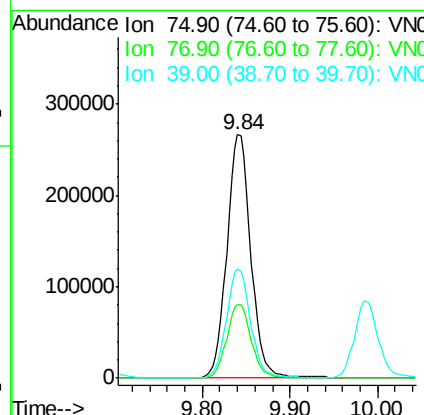
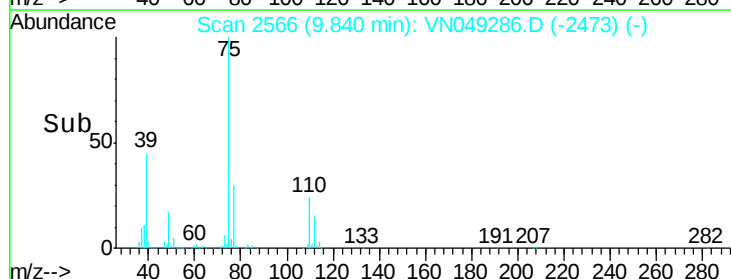
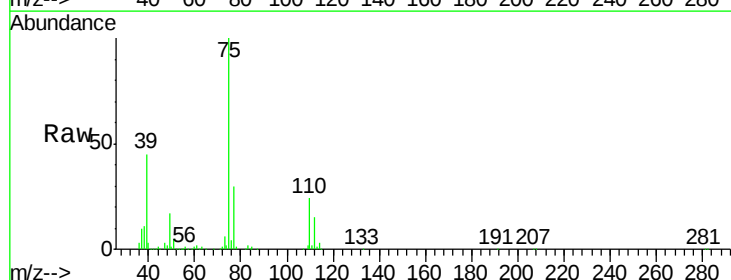
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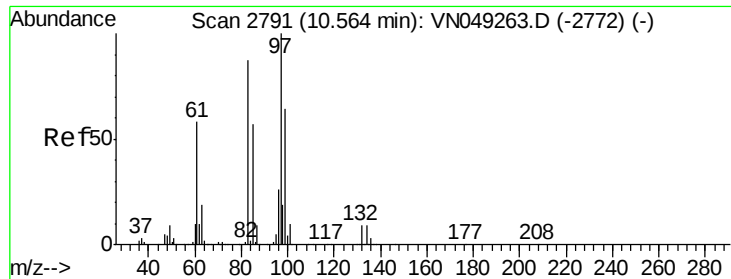
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 17.74 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion: 75 Resp: 505408
Ion Ratio Lower Upper
75 100
77 30.3 24.8 37.2
39 44.9 45.1 67.7#





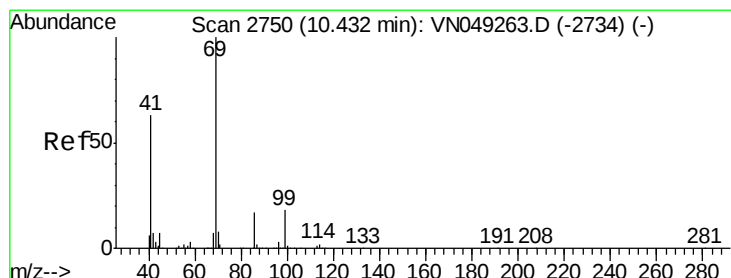
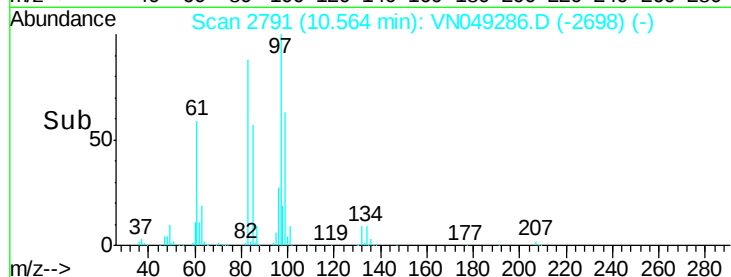
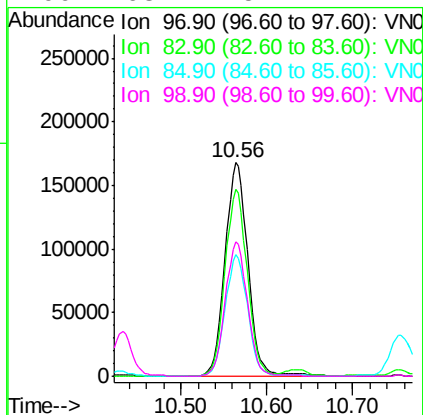
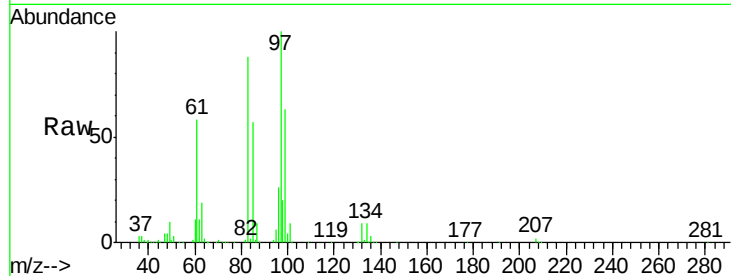
#55
 1,1,2-Trichloroethane
 Concen: 18.81 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.8	71.5	107.3
85	57.0	47.0	70.4
99	63.1	51.4	77.2

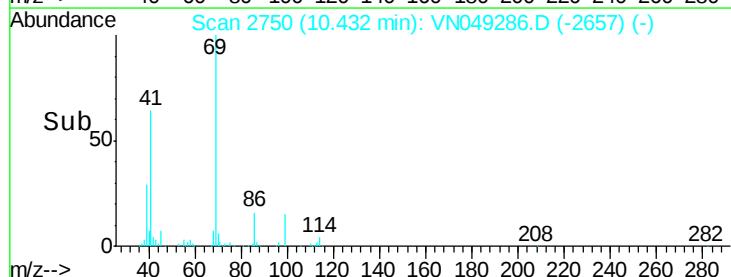
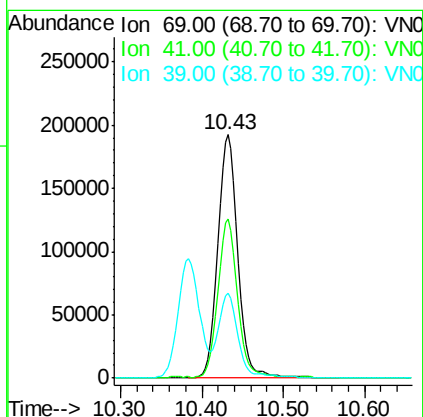
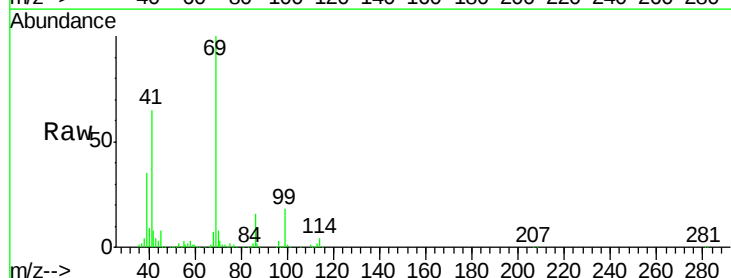
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#56
 Ethyl methacrylate
 Concen: 17.57 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.4	58.4	87.6
39	34.3	35.5	53.3#





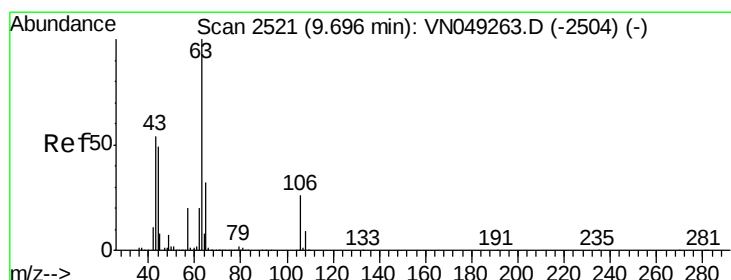
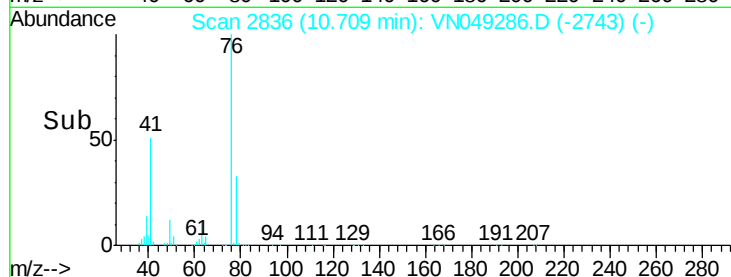
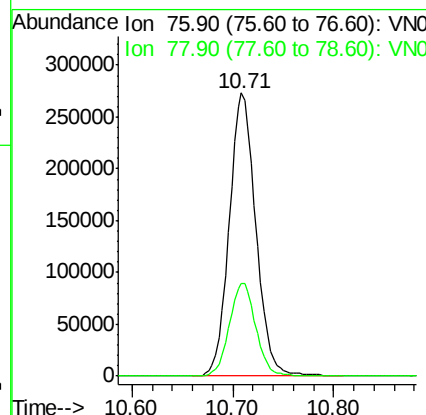
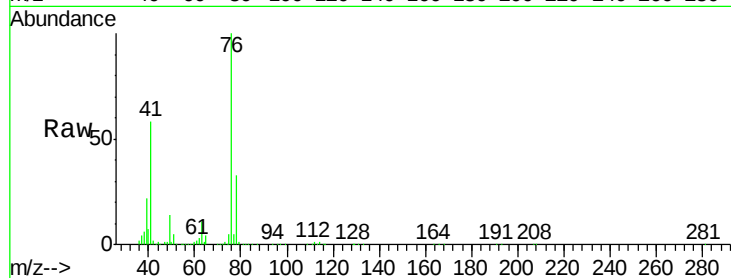
#57
 1,3-Dichloropropane
 Concen: 18.38 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS02

Tot Ion: 76 Resp: 503645
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.3 39.5

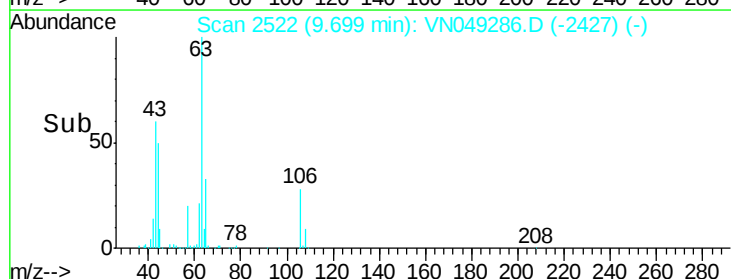
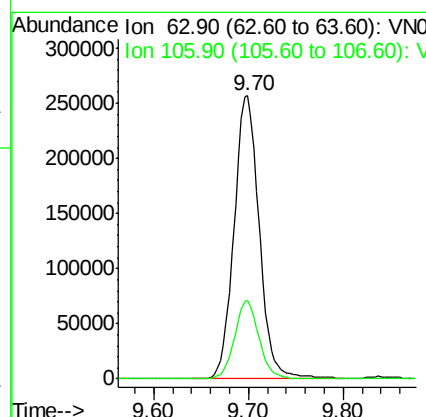
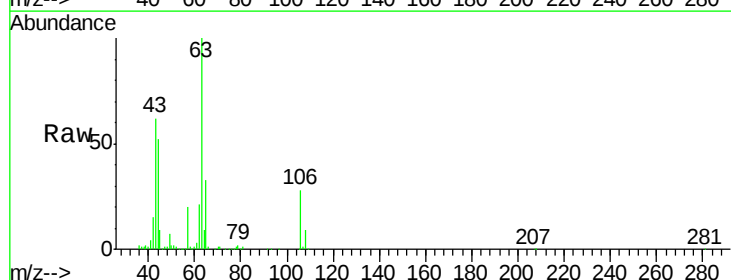
Manual Integrations
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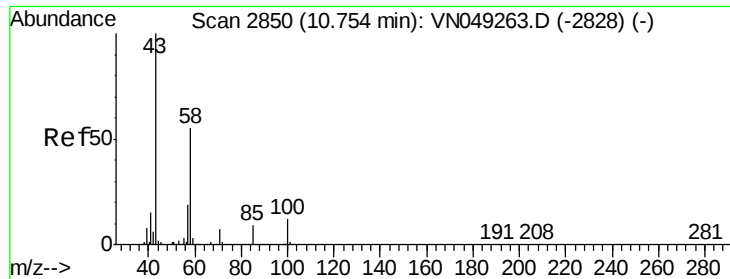
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#58
 2-Chloroethyl Vinyl ether
 Concen: 80.05 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion: 63 Resp: 475596
 Ion Ratio Lower Upper
 63 100
 106 26.7 19.4 29.2





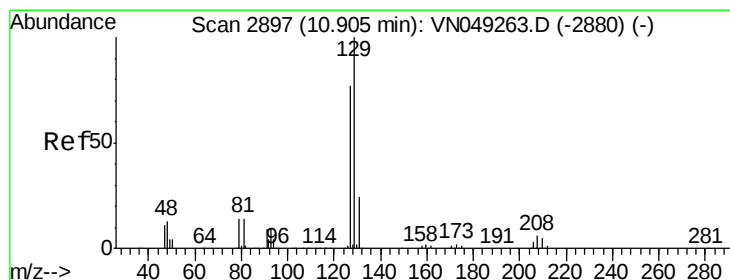
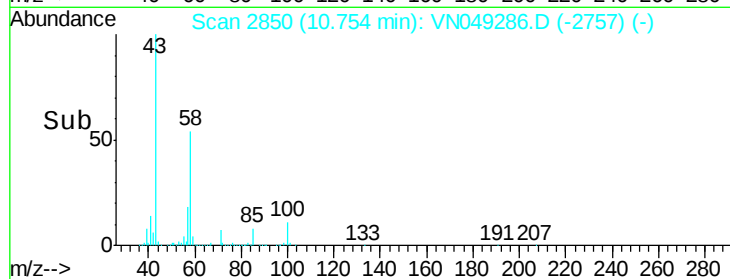
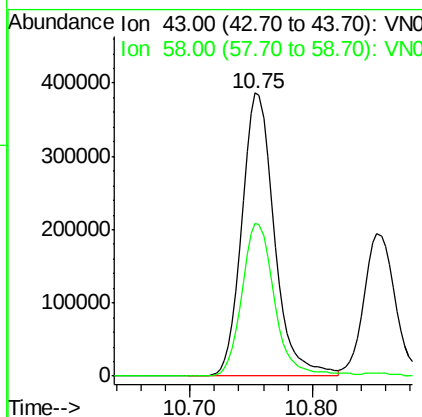
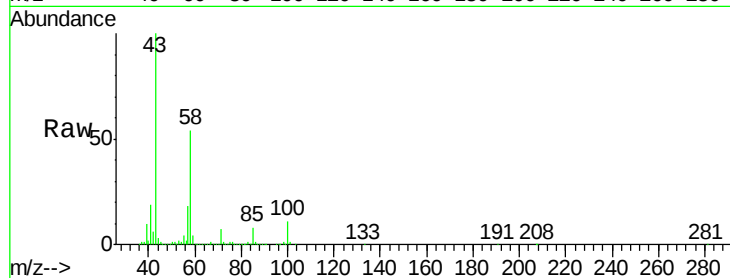
#59
2-Hexanone
Concen: 81.66 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS02

Tot Ion: 43 Resp: 706723
Ion Ratio Lower Upper
43 100
58 54.4 25.2 75.6

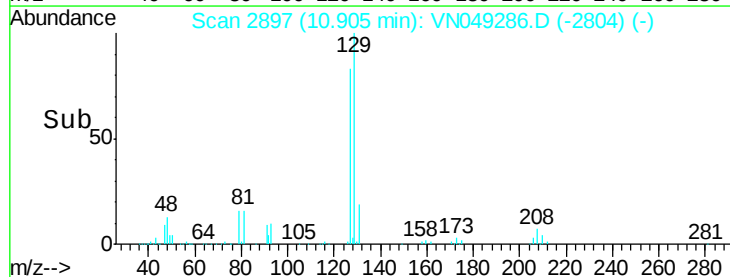
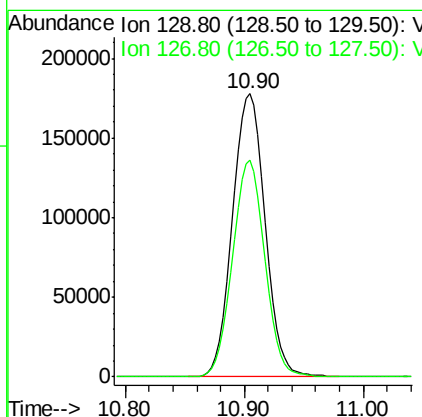
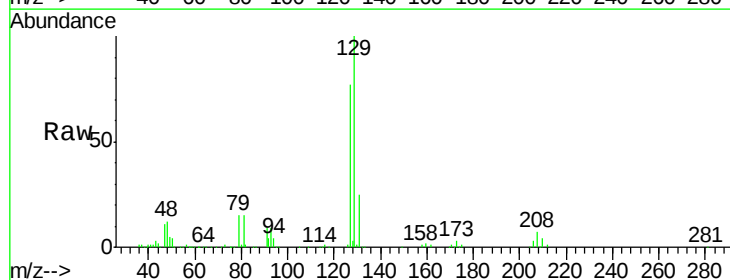
Manual Integrations
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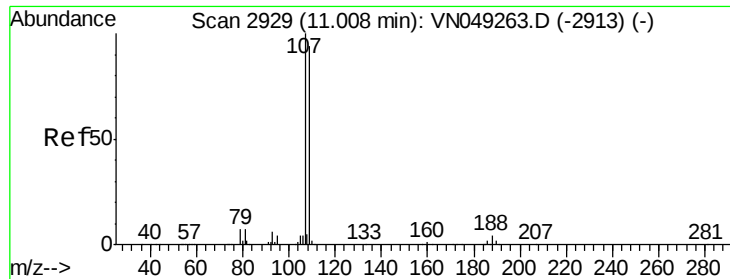
MMDadoda
6/18/2018 3:16:16 PM



#60
Dibromochloromethane
Concen: 18.36 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion: 129 Resp: 338884
Ion Ratio Lower Upper
129 100
127 75.7 39.1 117.2





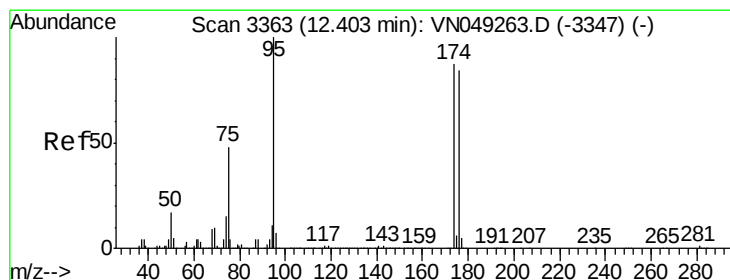
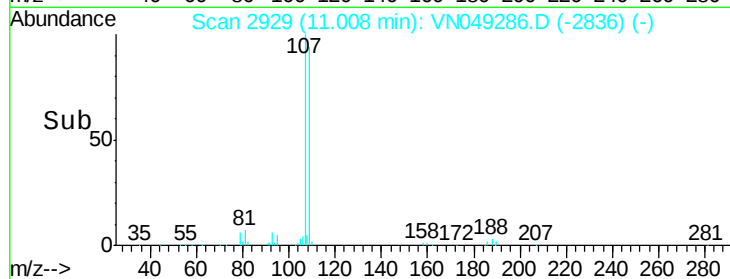
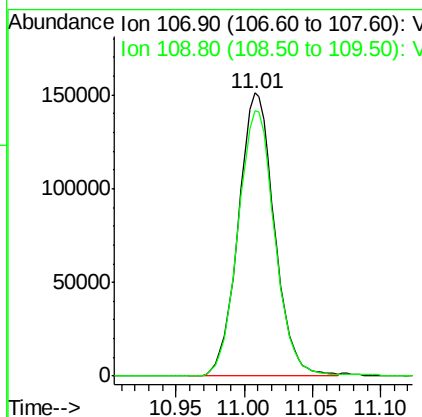
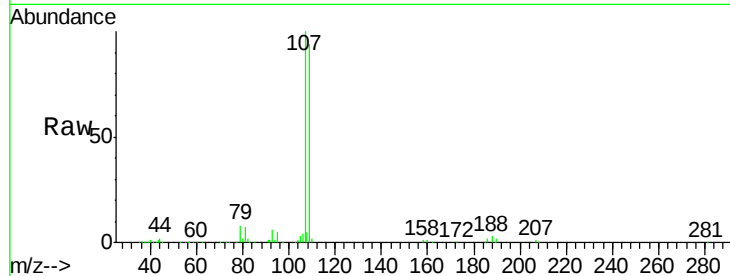
#61
 1,2-Dibromoethane
 Concen: 18.01 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	276898		
109	95.7	75.4	113.2	

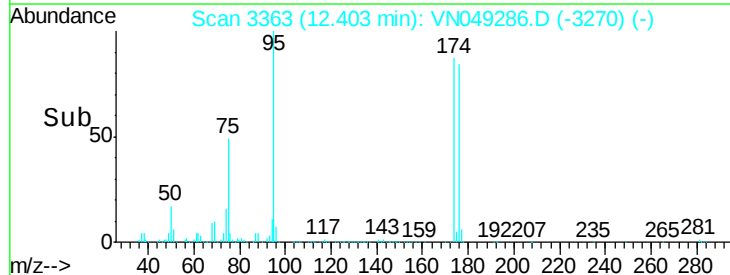
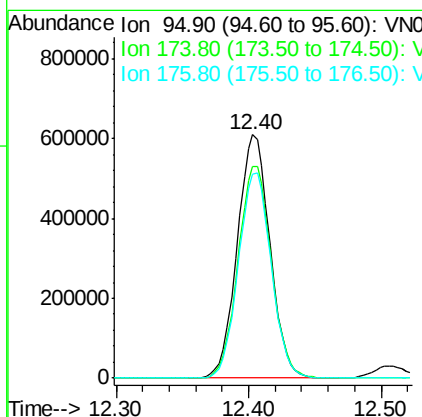
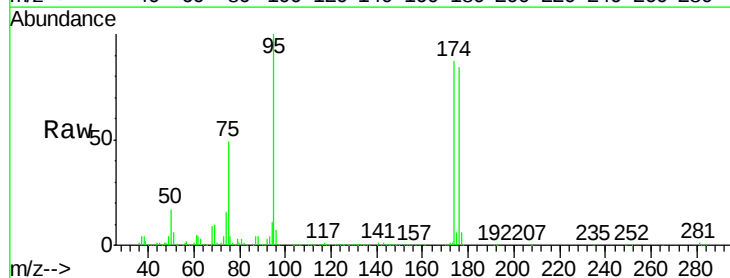
Manual Integrations
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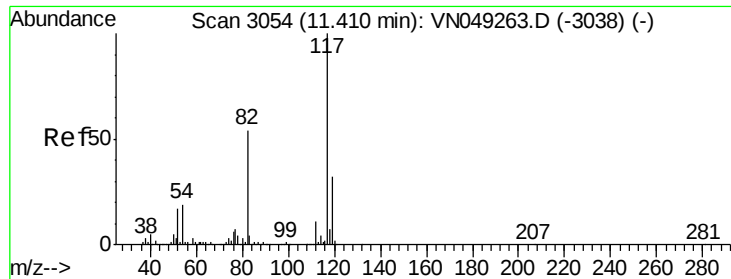
MMDadoda
 6/18/2018 3:16:16 PM



#62
 4-Bromofluorobenzene
 Concen: 47.50 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	1040906		
174	88.6	0.0	165.6	
176	84.9	0.0	157.4	





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

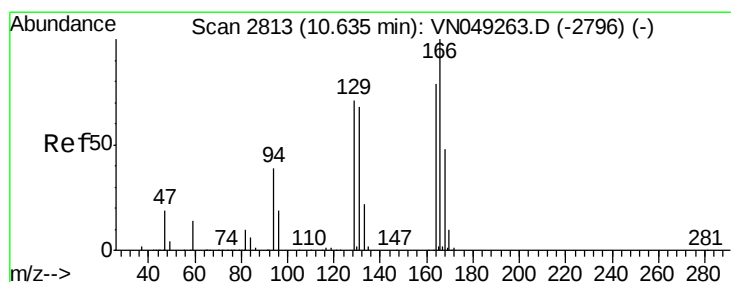
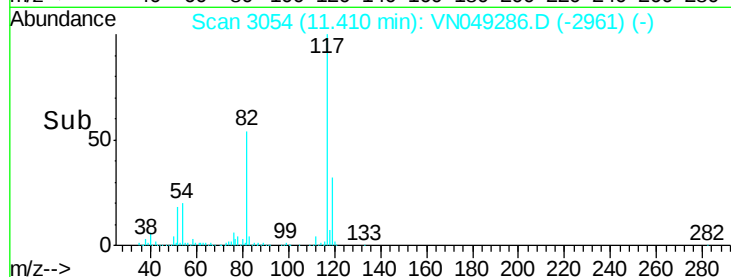
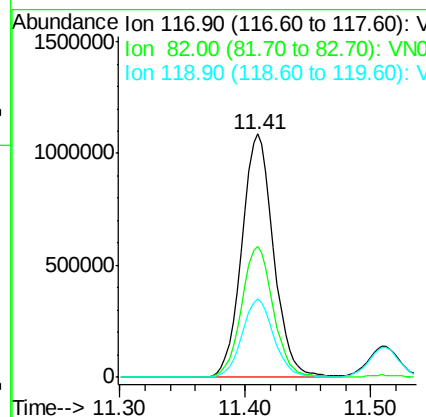
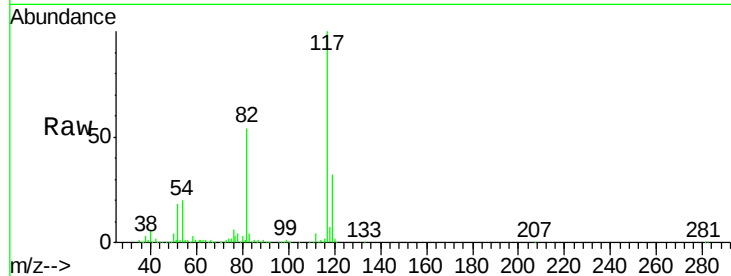
ClientSampled :

VN0616WBS02

Tot Ion:	117	Resp:	1909519
Ion	Ratio	Lower	Upper
117	100		
82	53.9	45.9	68.9
119	32.0	25.5	38.3

Manual Integrations
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#64

Tetrachloroethene

Concen: 20.43 ug/l

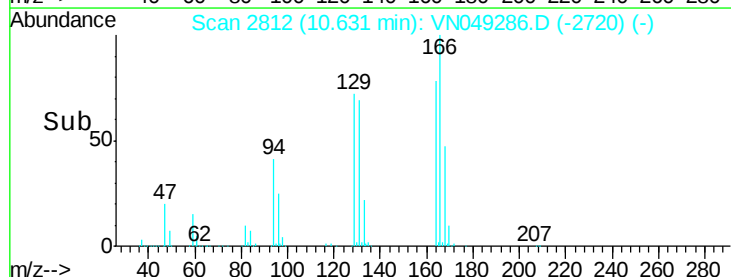
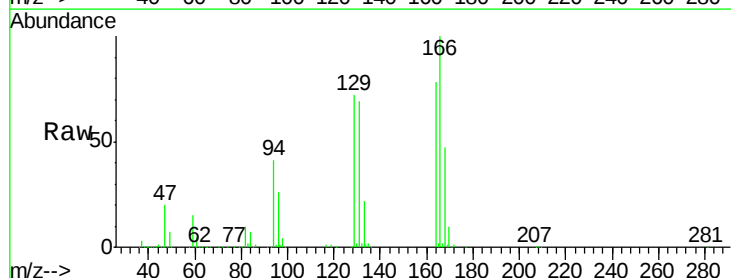
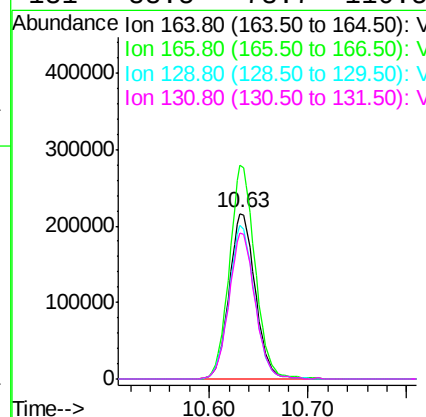
RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Tgt Ion:	164	Resp:	399680
Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.4	152.2
129	92.5	74.1	111.1
131	88.5	73.7	110.5





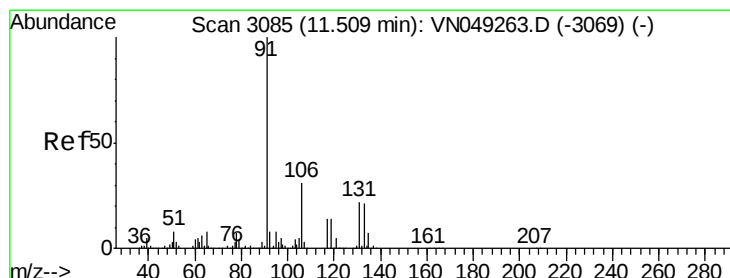
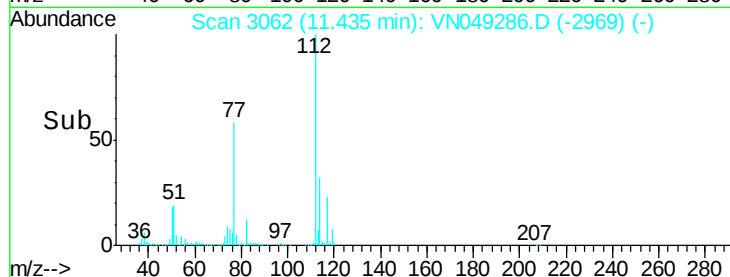
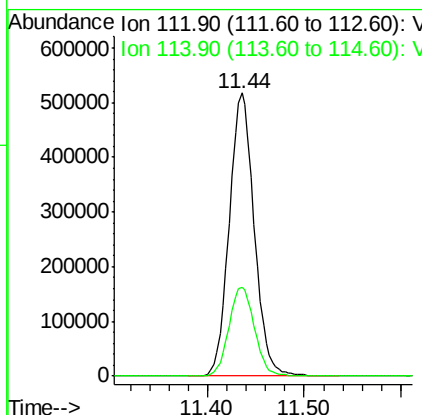
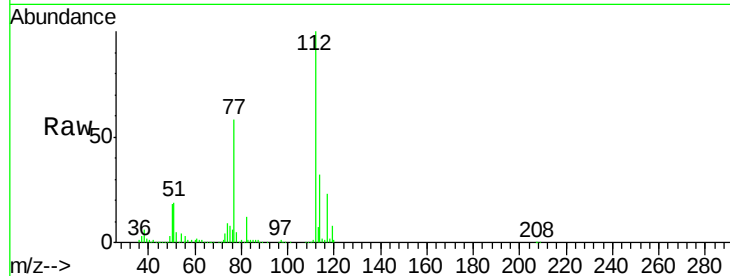
#65
Chlorobenzene
Concen: 18.84 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS02

Tot Ion:112 Resp: 926629
Ion Ratio Lower Upper
112 100
114 31.5 26.2 39.4

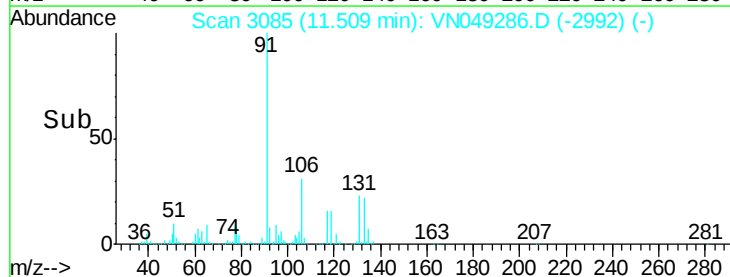
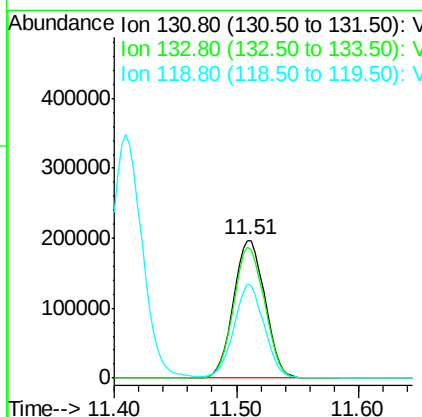
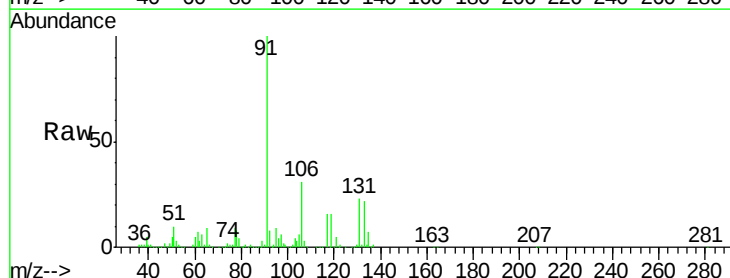
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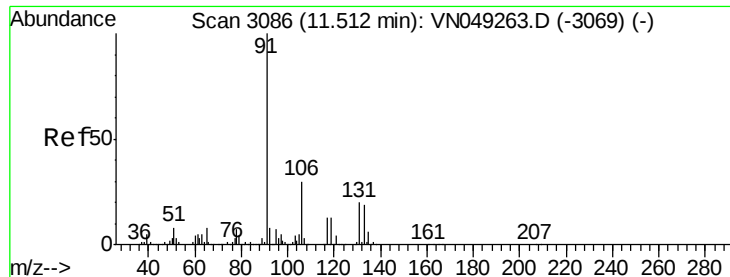
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.05 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion:131 Resp: 352563
Ion Ratio Lower Upper
131 100
133 94.2 48.0 144.2
119 65.8 33.6 100.8





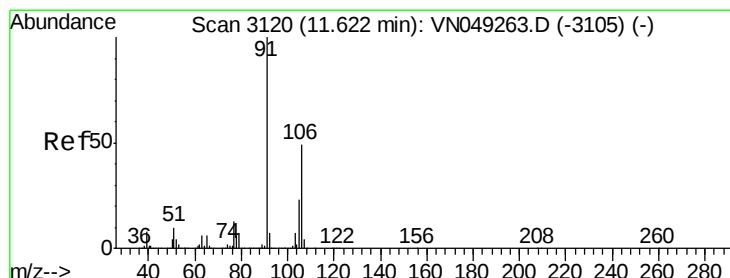
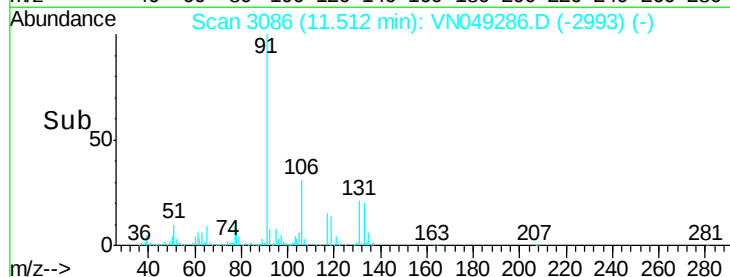
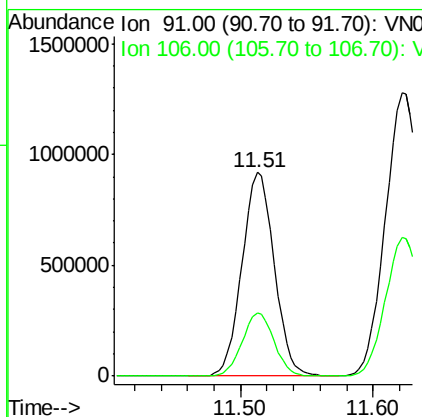
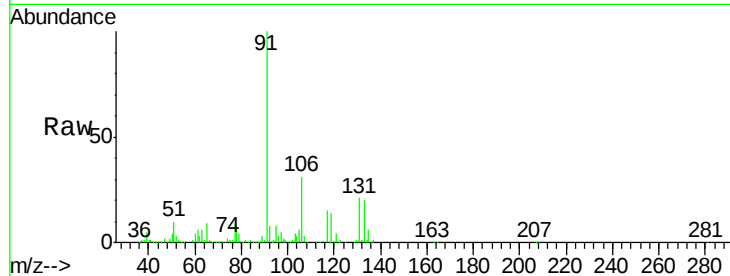
#67
Ethyl Benzene
Concen: 19.05 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampled :
VN0616WBS02

Tot Ion: 91 Resp: 1554306
Ion Ratio Lower Upper
91 100
106 31.1 23.9 35.9

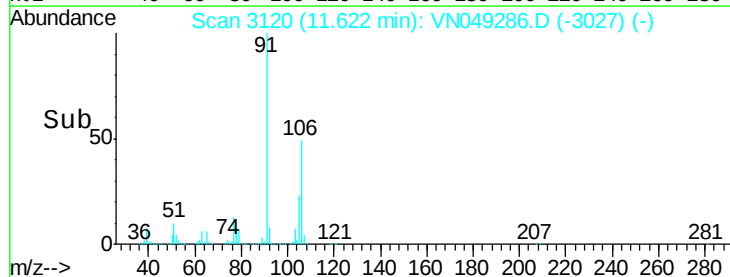
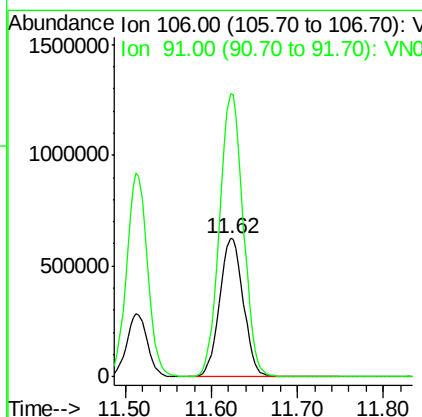
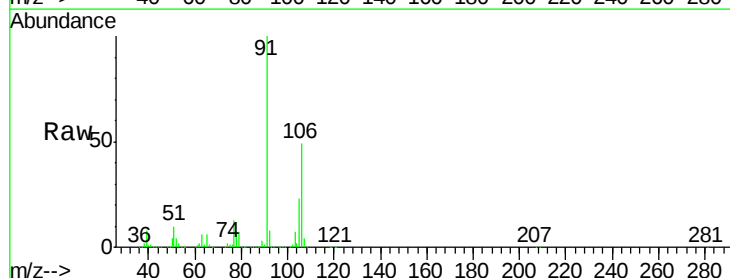
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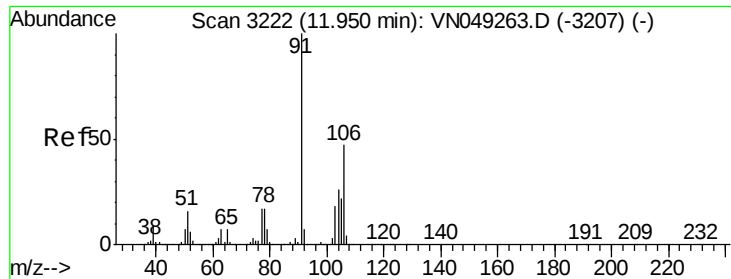
MMDadoda
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#68
m/p-Xylenes
Concen: 39.18 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion: 106 Resp: 1199640
Ion Ratio Lower Upper
106 100
91 203.7 167.3 250.9





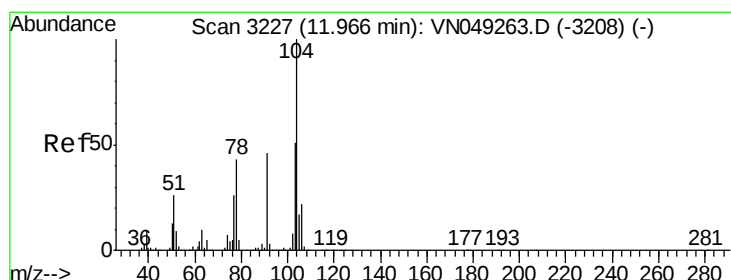
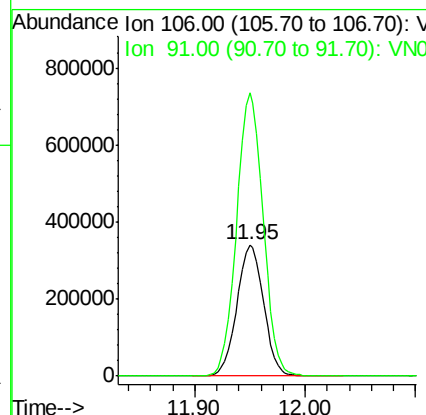
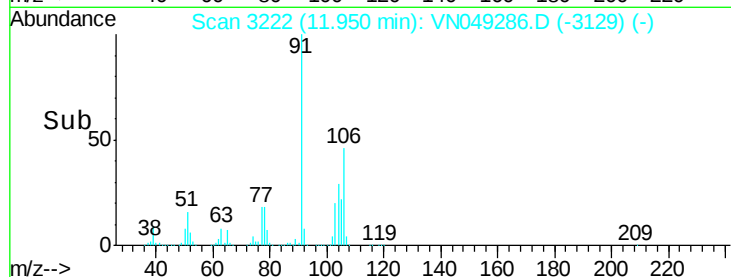
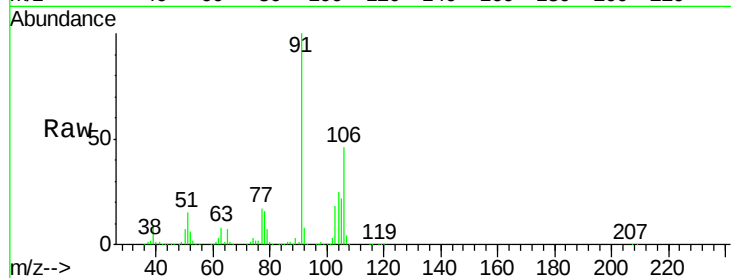
#69
o-Xylene
Concen: 19.39 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampled :
VN0616WBS02

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	214.3	111.0	333.0

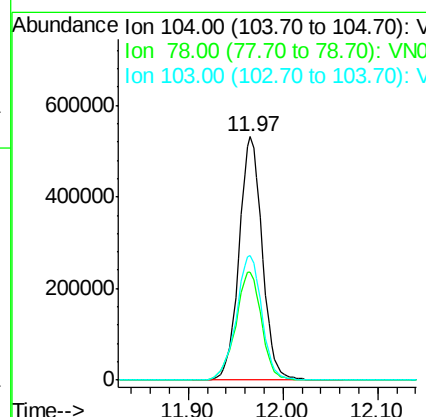
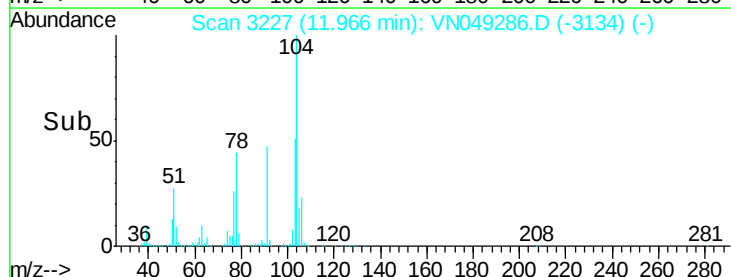
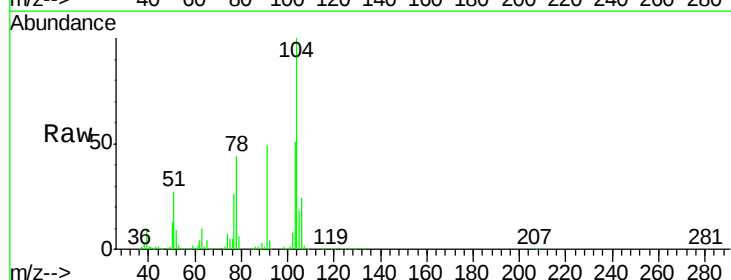
Manual Integrations
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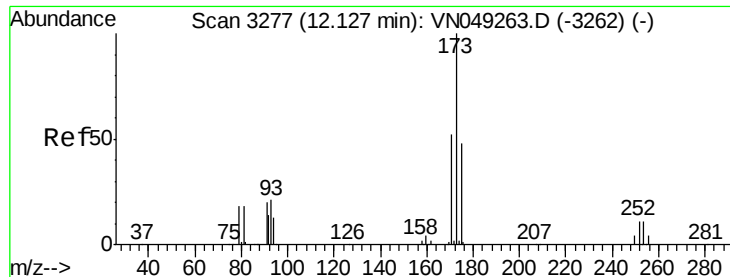
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#70
Styrene
Concen: 19.40 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	49.6	41.6	62.4
103	103	56.3	45.4	68.2





#71

Bromoform

Concen: 17.97 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS02

Tot Ion:173 Resp: 215285

Ion Ratio Lower Upper

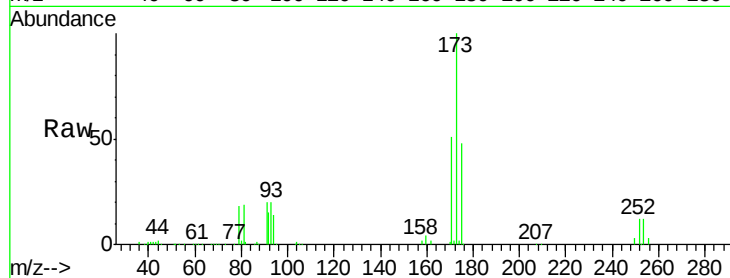
173 100

175 48.4 24.5 73.5

254 0.0 0.1 0.1#

Manual Integrations
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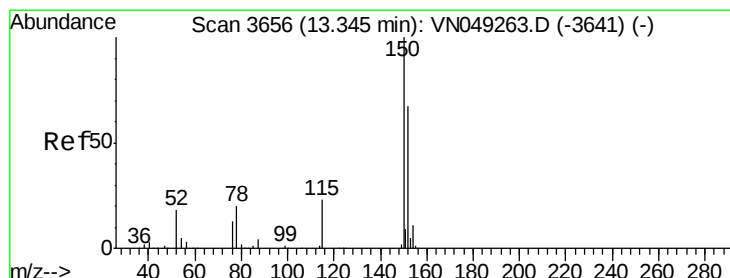
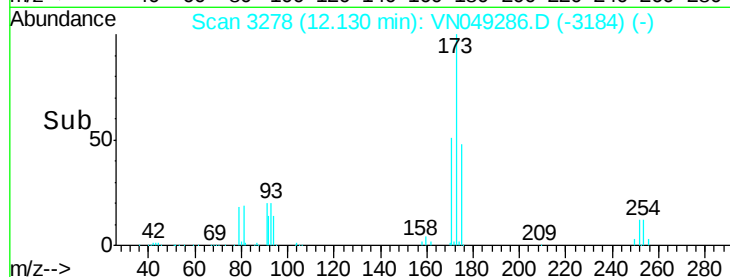
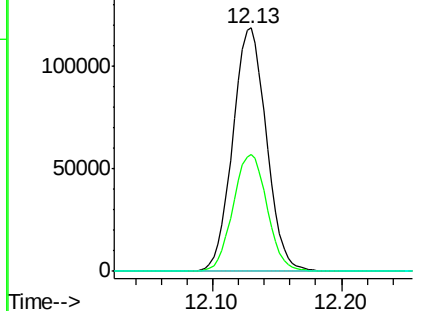
MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN049286.D

Acq: 16 Jun 2018 3:52

Tgt Ion:152 Resp: 882058

Ion Ratio Lower Upper

152 100

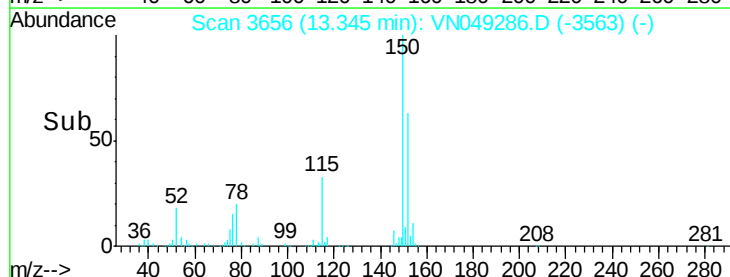
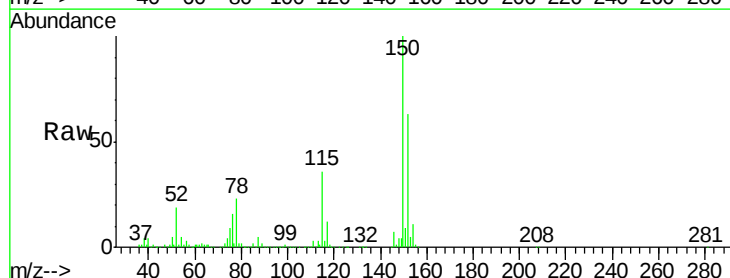
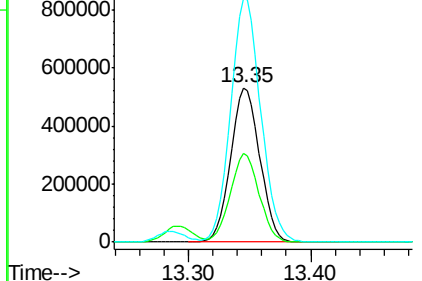
115 56.8 28.7 86.1

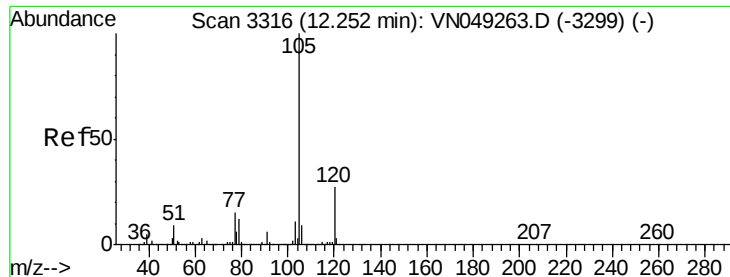
150 163.2 0.0 351.0

Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.74 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS02

Tot Ion:105 Resp: 1528418

Ion Ratio Lower Upper

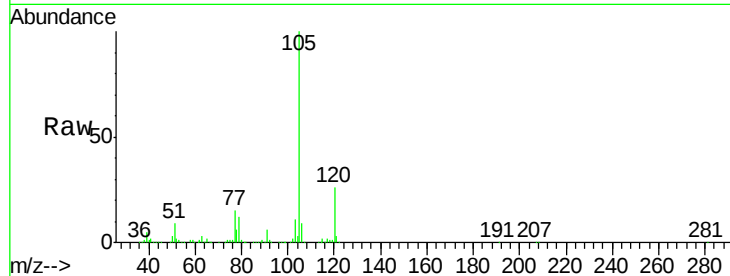
105 100

120 26.5 12.8 38.3

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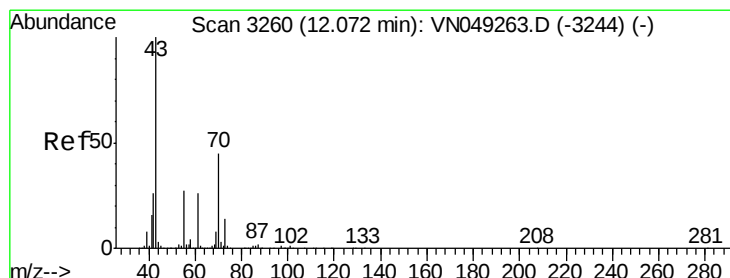
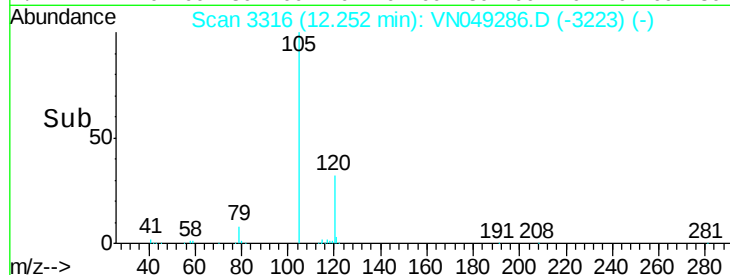
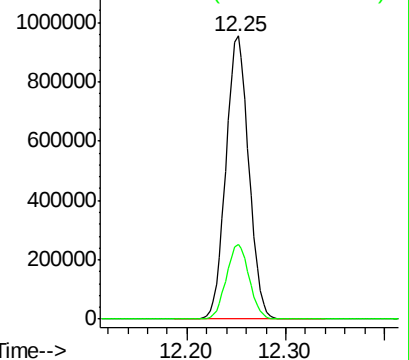
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.61 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Tgt Ion: 43 Resp: 314988

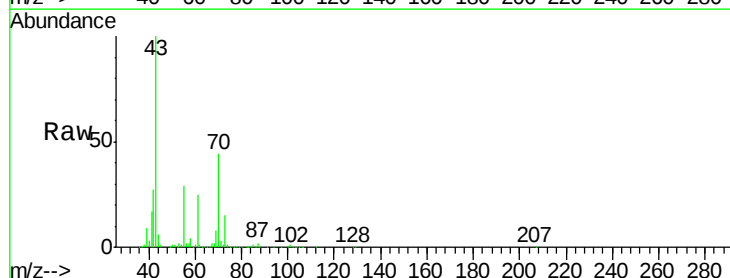
Ion Ratio Lower Upper

43 100

70 44.0 30.3 45.5

55 28.4 19.4 29.2

61 24.3 17.8 26.6

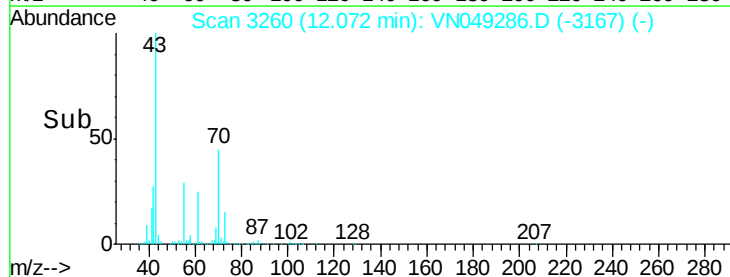
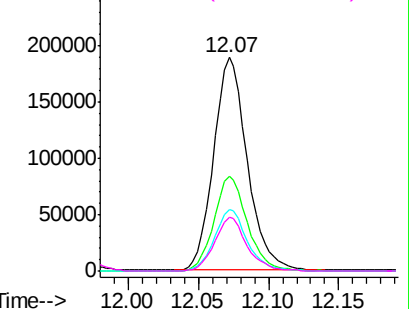


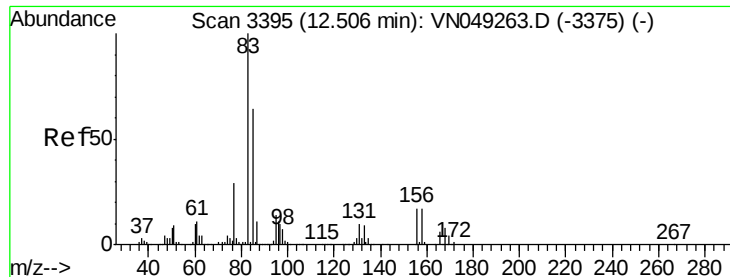
Abundance Ion 43.00 (42.70 to 43.70): V

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: 19.66 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS02

Tot Ion: 83 Resp: 334955
Ion Ratio Lower Upper

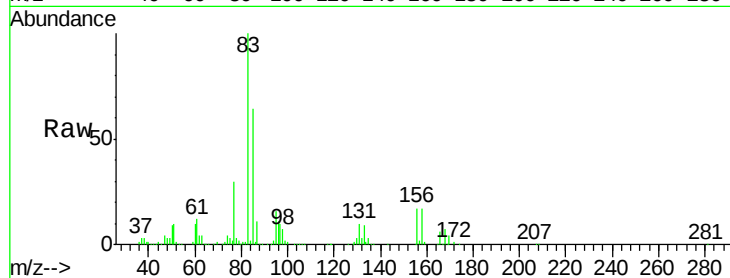
83 100

131 10.4 5.0 15.0

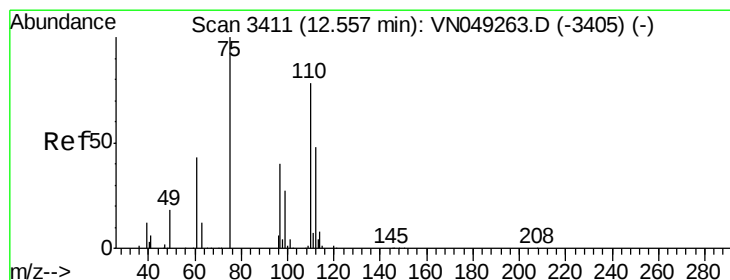
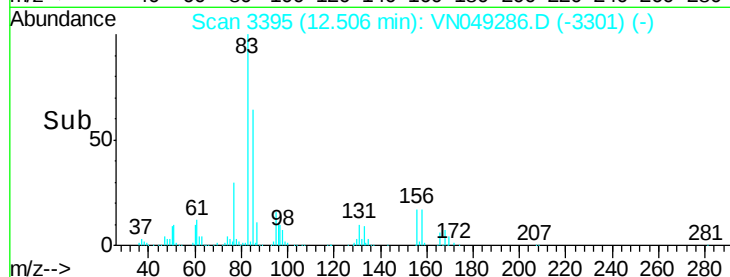
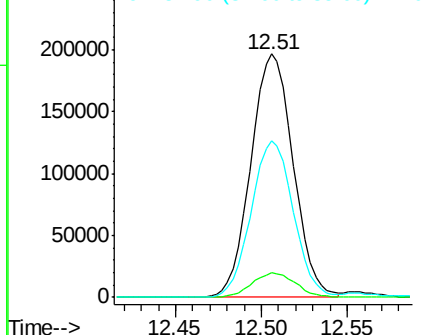
85 64.1 32.0 96.0

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 19.65 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

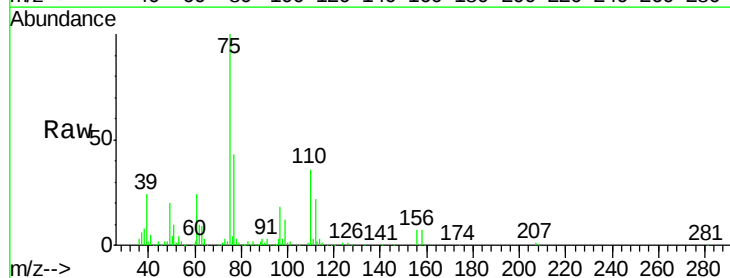
Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

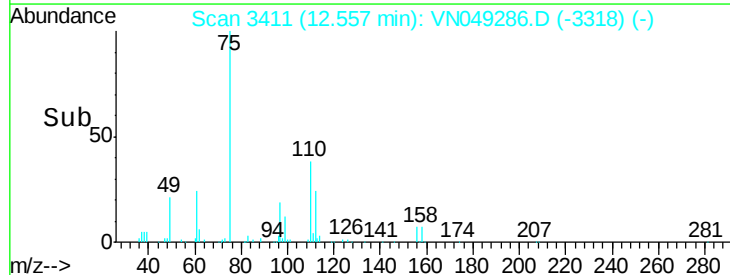
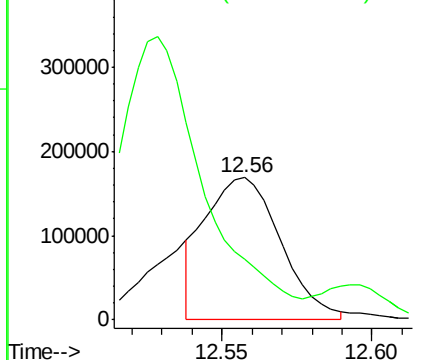
Tgt Ion: 75 Resp: 295683
Ion Ratio Lower Upper

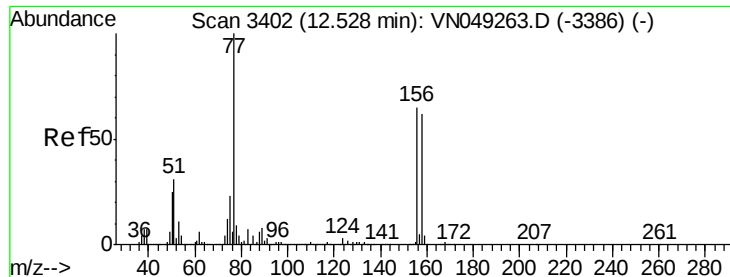
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 18.63 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

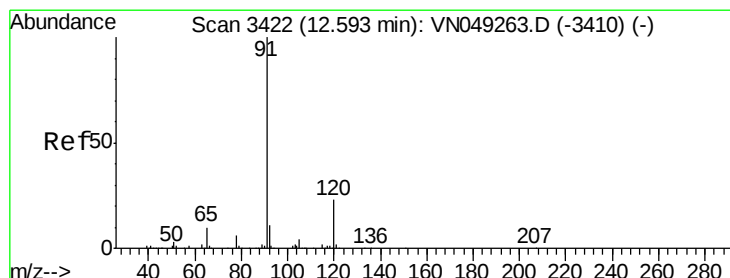
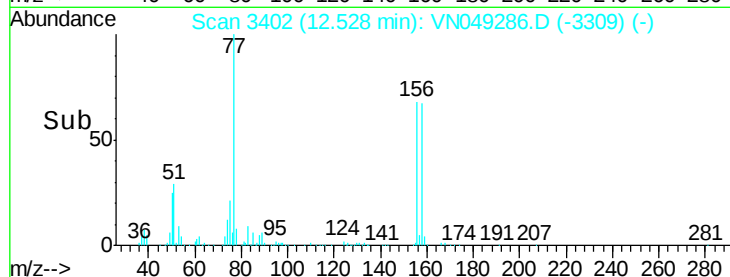
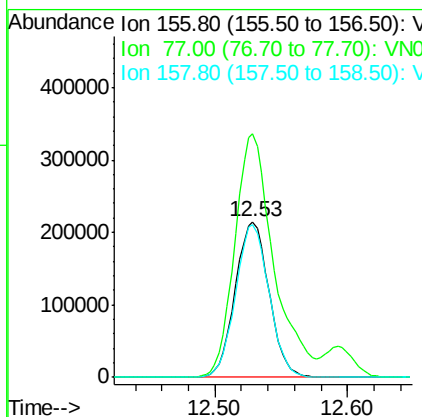
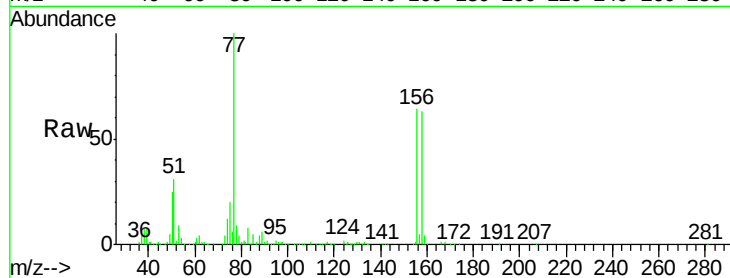
ClientSampleId :

VN0616WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.4	100.8	302.4
158	97.1	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.64 ug/l

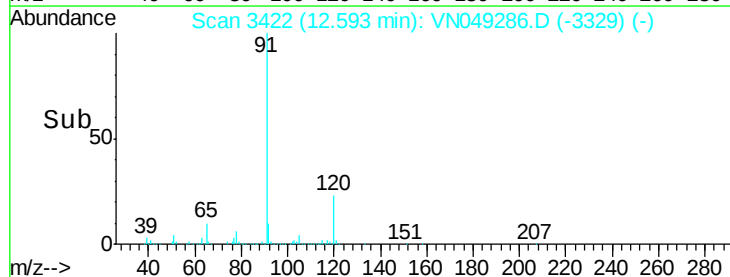
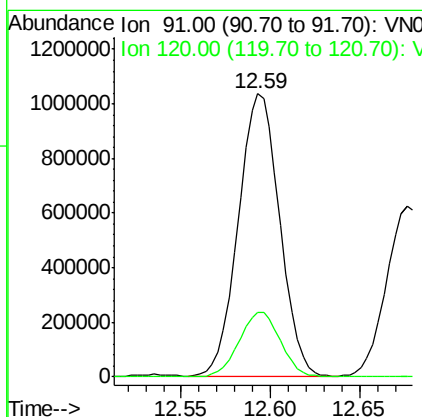
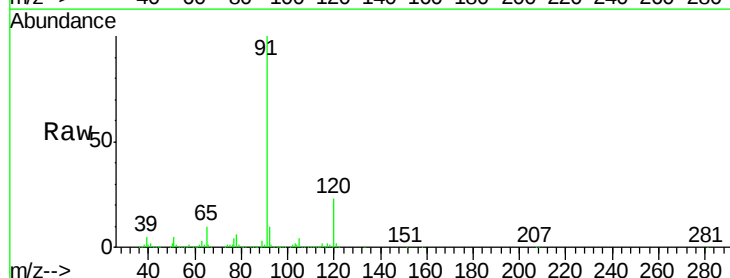
RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.32 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS02

Tot Ion: 91 Resp: 1040856

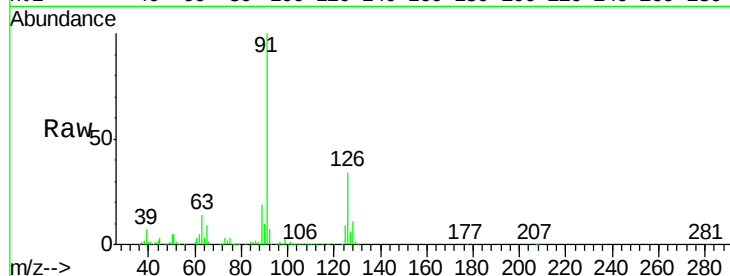
Ion Ratio Lower Upper

91 100

126 34.6 16.6 49.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN049286.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN049286.D (-3355) (-)

800000

600000

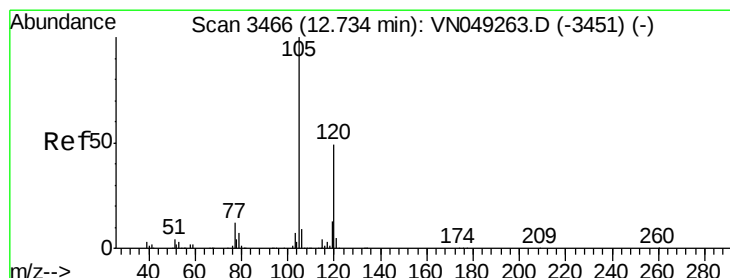
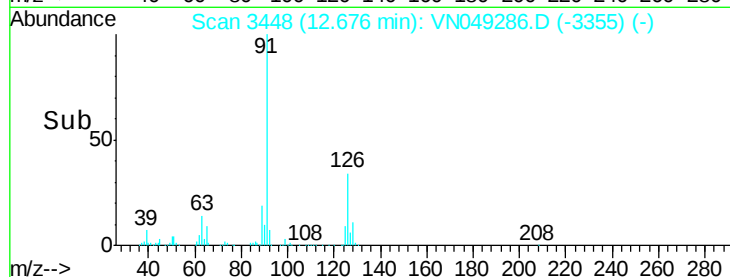
400000

200000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.10 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049286.D

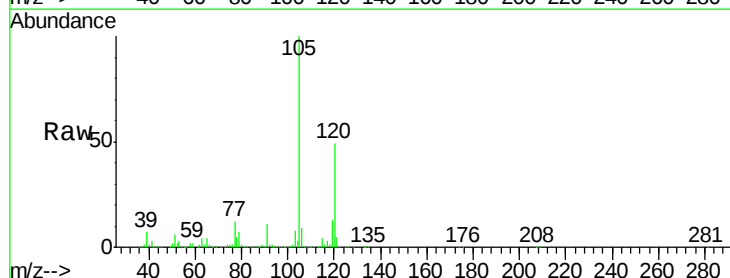
Acq: 16 Jun 2018 3:52

Tgt Ion: 105 Resp: 1223798

Ion Ratio Lower Upper

105 100

120 49.3 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049286.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049286.D (-3373) (-)

800000

600000

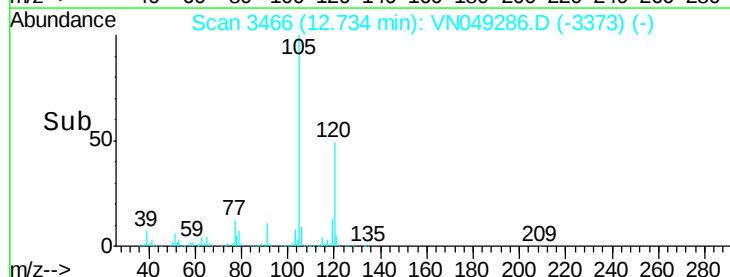
400000

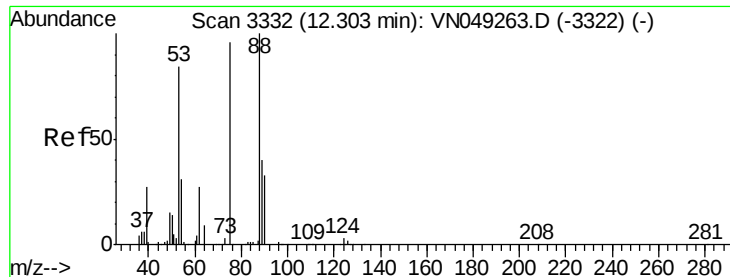
200000

0

12.70 12.73 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.69 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS02

Tot Ion: 75 Resp: 74693

Ion Ratio Lower Upper

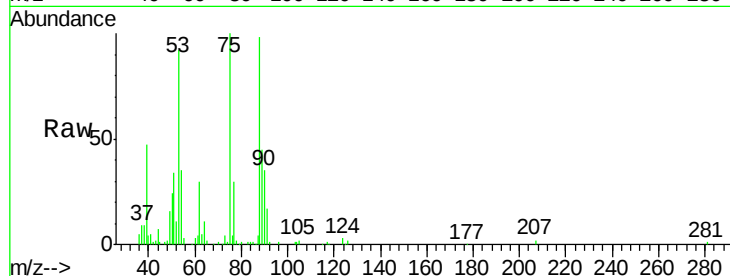
75 100

53 97.9 82.7 124.1

89 47.1 36.5 54.7

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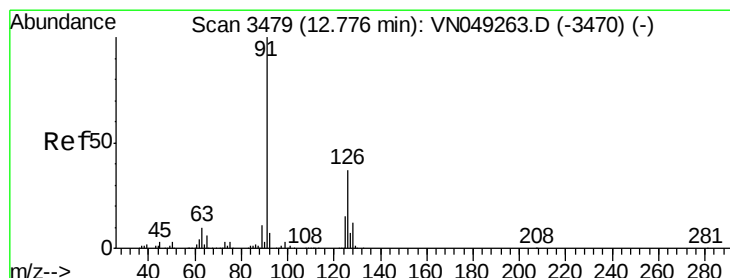
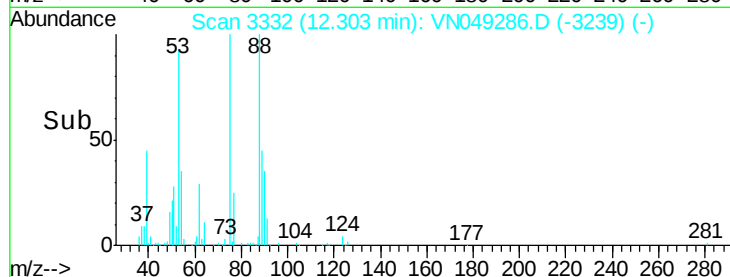
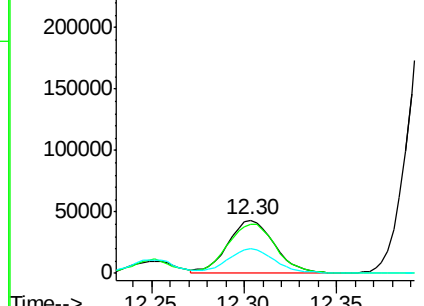
MMDadoda
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Abundance Ion 74.90 (74.60 to 75.60): VN049286.D (-3332) (-)

Ion 53.00 (52.70 to 53.70): VN049286.D (-3332) (-)

Ion 88.90 (88.60 to 89.60): VN049286.D (-3332) (-)



#82

4-Chlorotoluene

Concen: 19.46 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049286.D

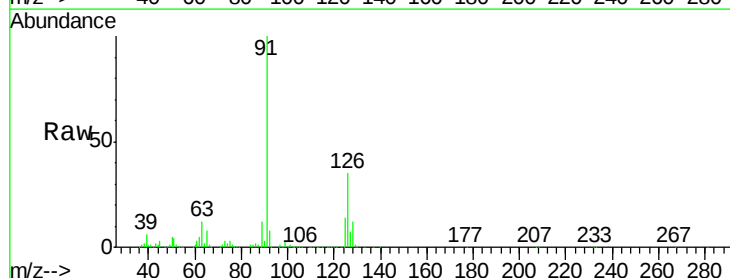
Acq: 16 Jun 2018 3:52

Tgt Ion: 91 Resp: 1011325

Ion Ratio Lower Upper

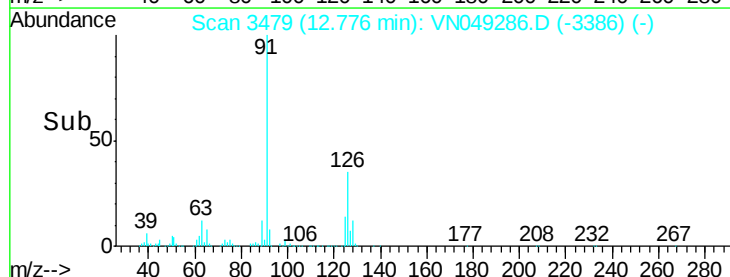
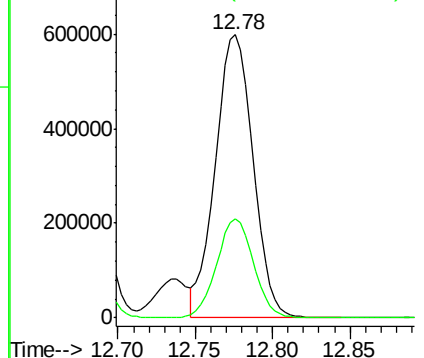
91 100

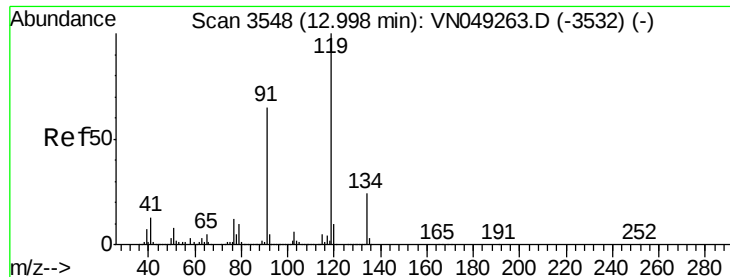
126 34.3 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN049286.D (-3479) (-)

Ion 125.90 (125.60 to 126.60): VN049286.D (-3479) (-)





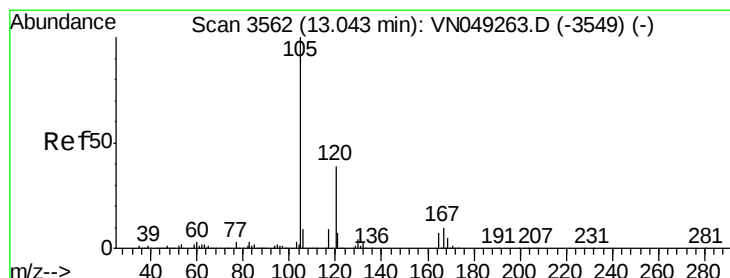
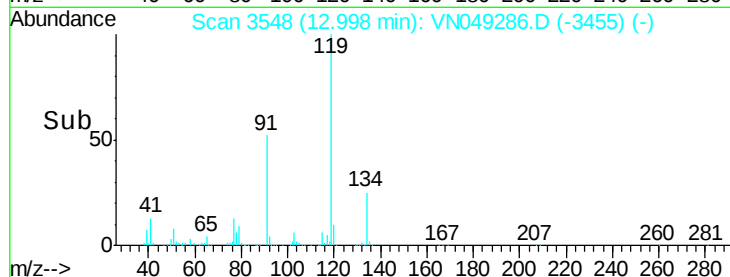
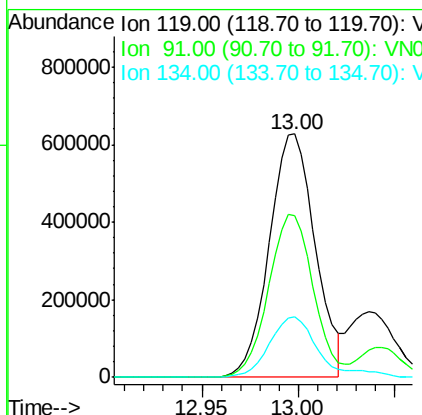
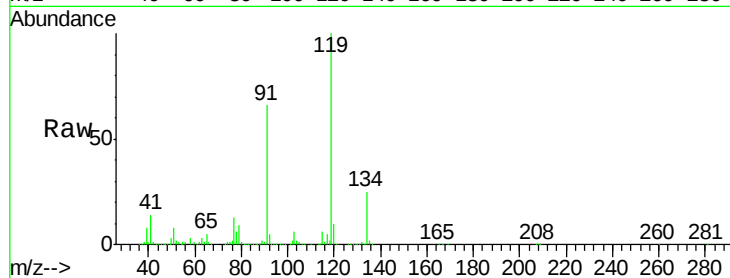
#83
tert-Butylbenzene
Concen: 19.18 ug/l
RT: 13.00 min Scan# 3548
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS02

Tot Ion:119 Resp: 1034124
Ion Ratio Lower Upper
119 100
91 65.3 33.7 101.0
134 26.8 12.9 38.6

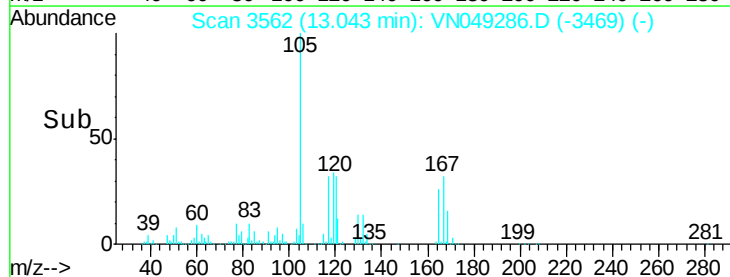
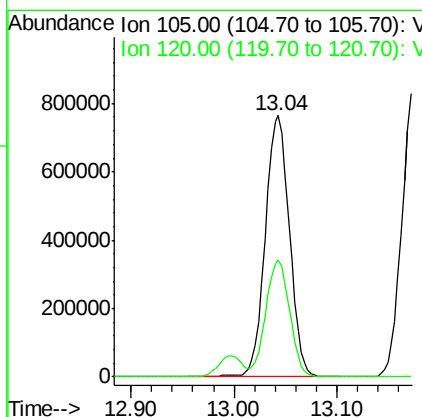
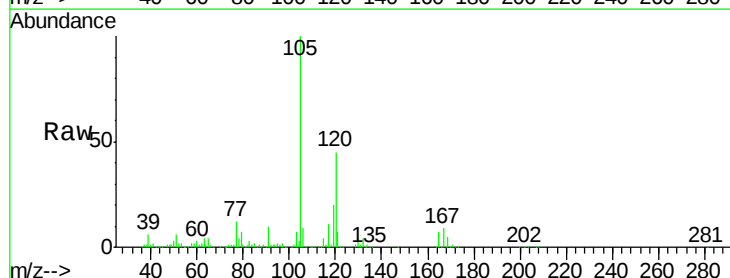
Manual Integrations
APPROVED

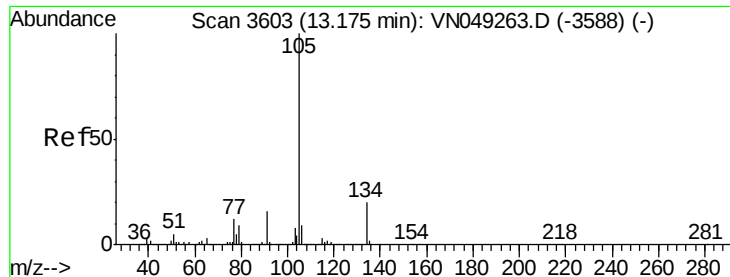
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#84
1,2,4-Trimethylbenzene
Concen: 20.50 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion:105 Resp: 1239785
Ion Ratio Lower Upper
105 100
120 44.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.00 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS02

Tot Ion:105 Resp: 1363544

Ion Ratio Lower Upper

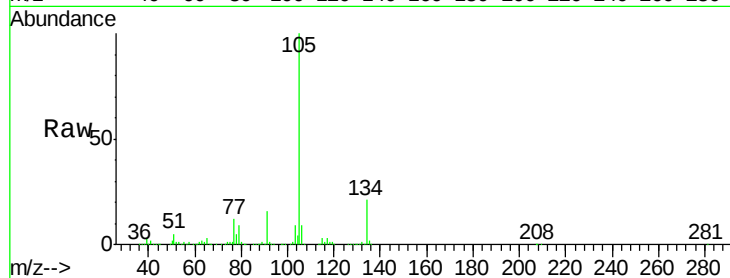
105 100

134 20.5 9.8 29.3

Manual Integrations
APPROVED

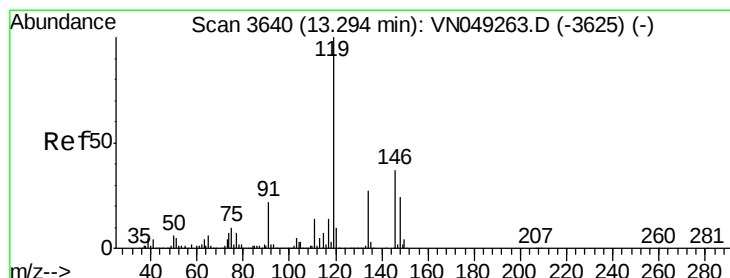
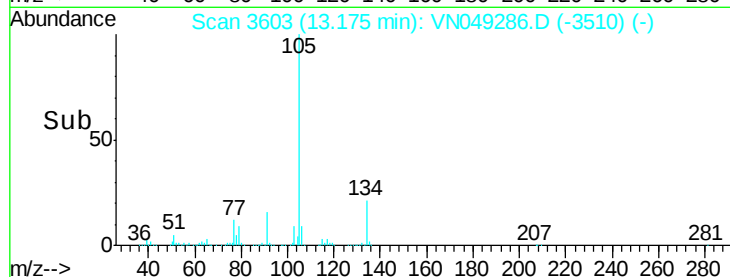
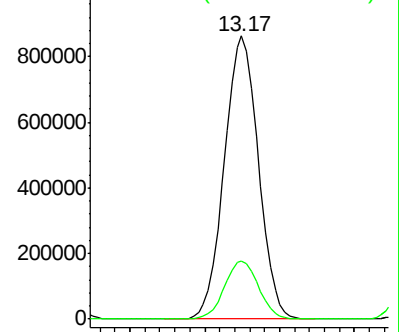
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.02 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

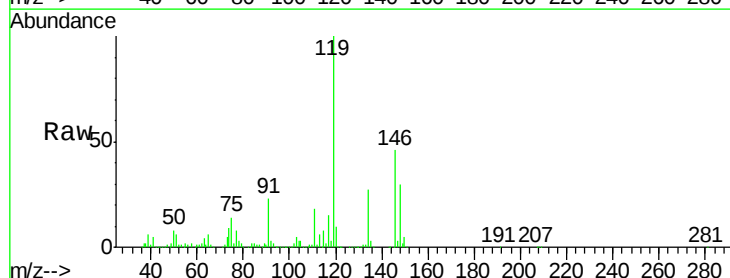
Tgt Ion:119 Resp: 1140733

Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.6

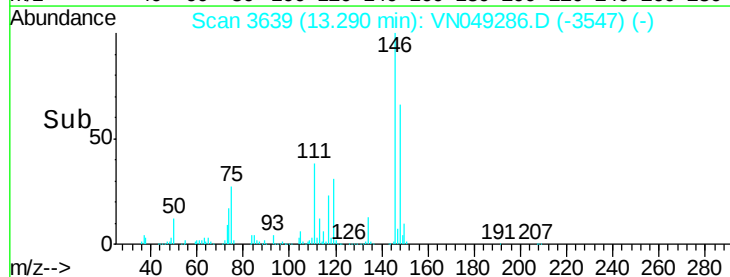
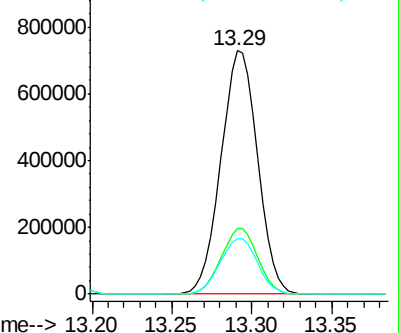
91 23.3 12.1 36.3

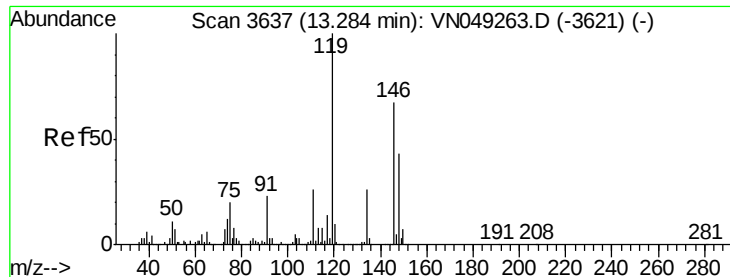


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.66 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

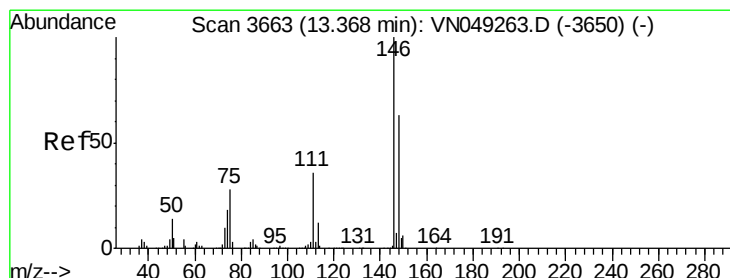
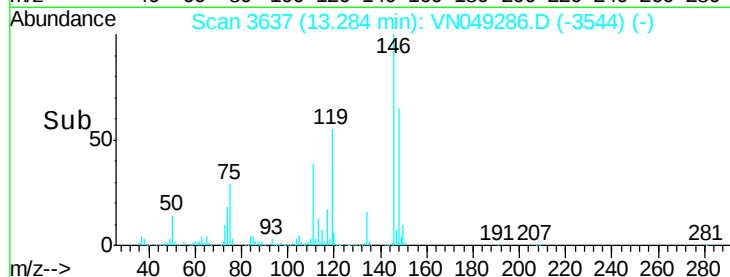
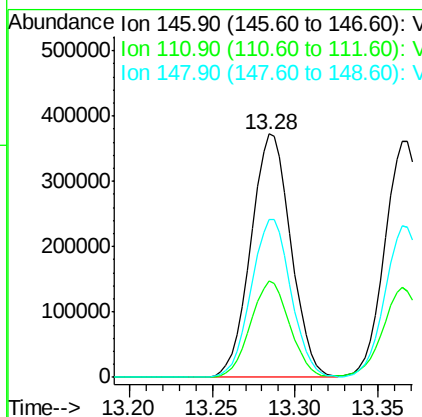
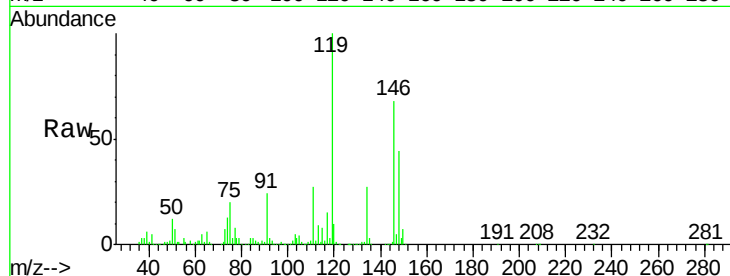
ClientSampleId :

VN0616WBS02

Tot Ion:	146	Resp:	627899
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.9	59.6
148	64.4	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 17.96 ug/l

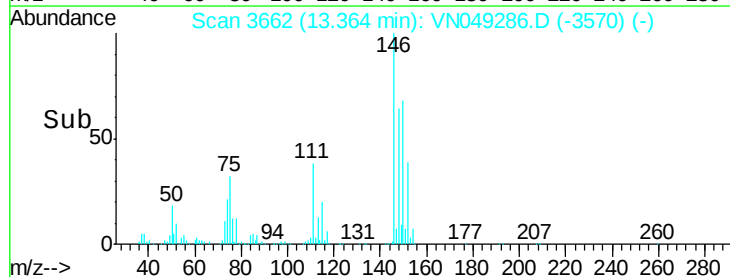
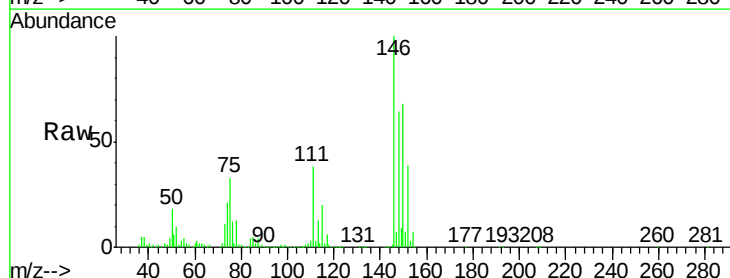
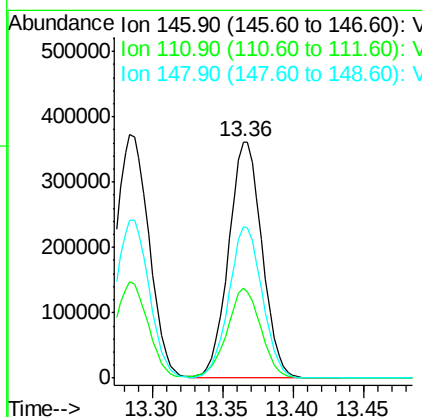
RT: 13.36 min Scan# 3662

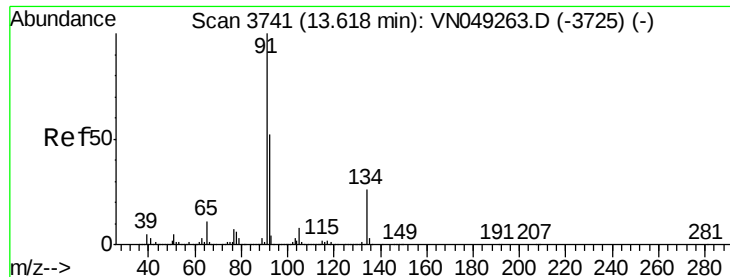
Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Tgt Ion:	146	Resp:	599100
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.1	57.1
148	64.3	32.0	96.2





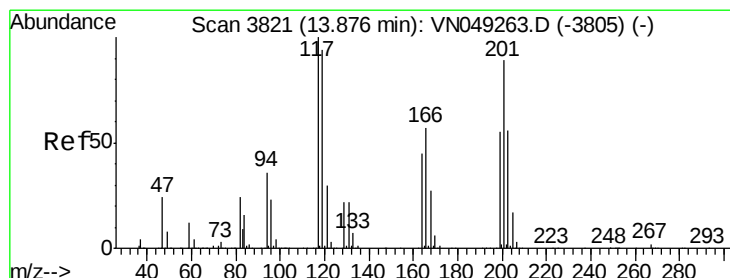
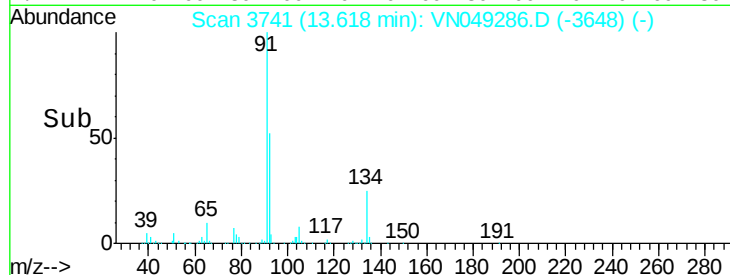
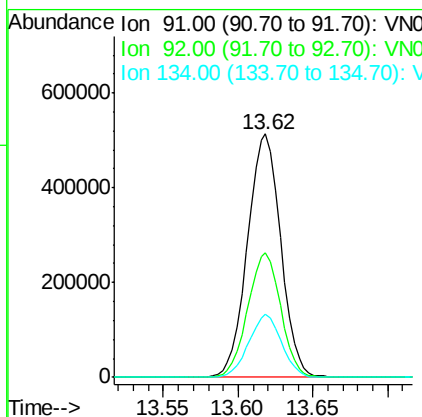
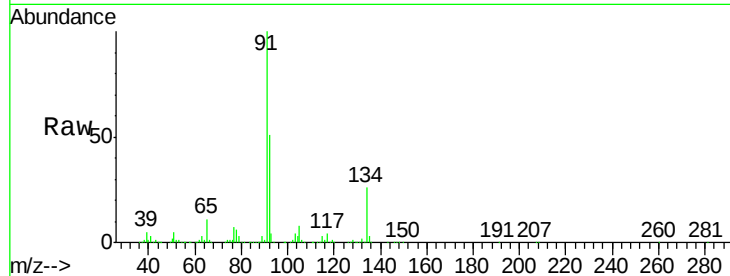
#89
n-Butylbenzene
Concen: 16.94 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. -0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.1	75.4
134	25.4	12.0	36.0

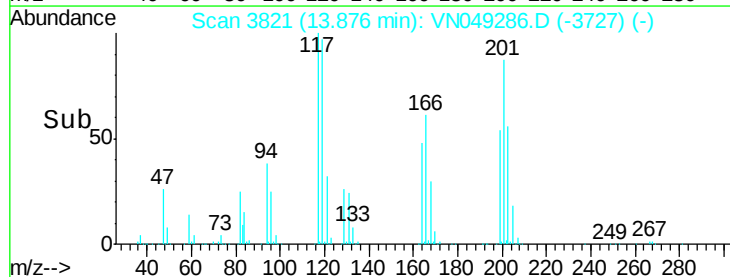
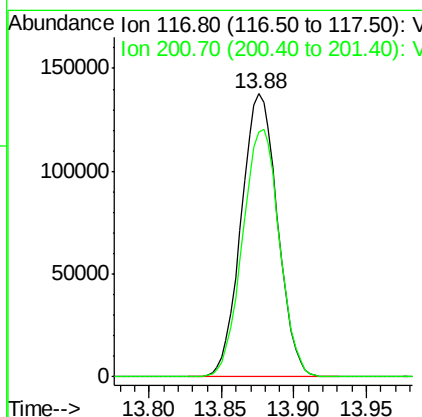
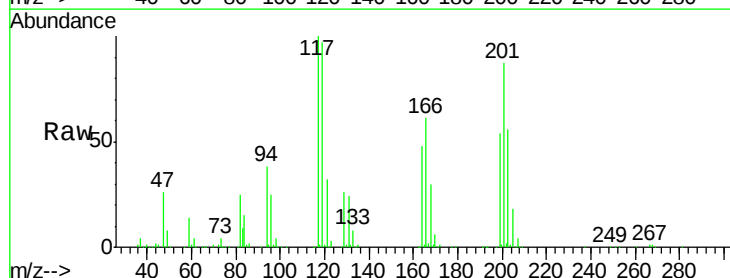
Manual Integrations
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#90
Hexachloroethane
Concen: 20.17 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049286.D
Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.7	40.1	120.2





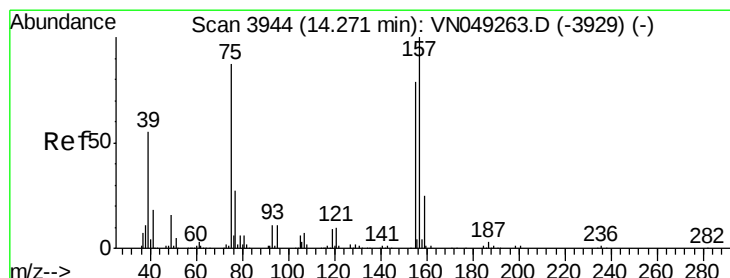
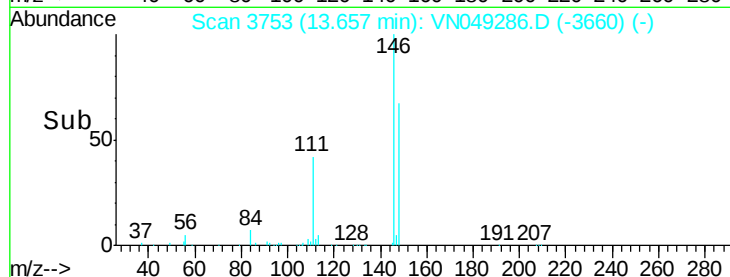
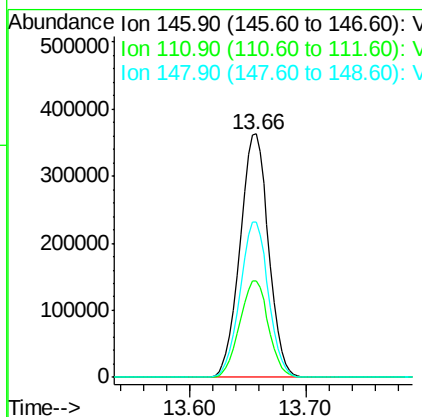
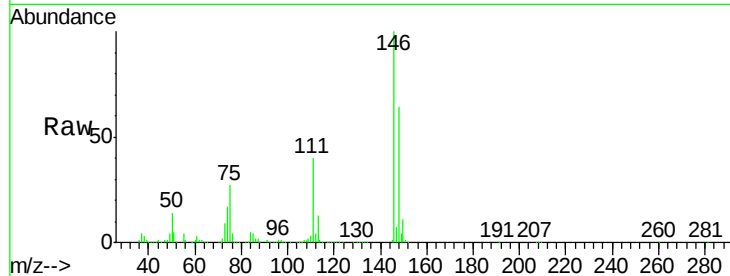
#91
 1,2-Dichlorobenzene
 Concen: 18.75 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.8	62.2
148	63.5	32.0	96.2

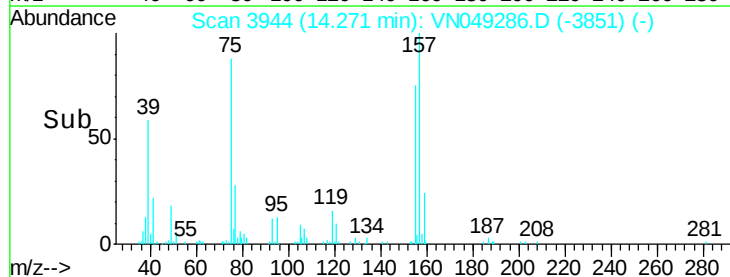
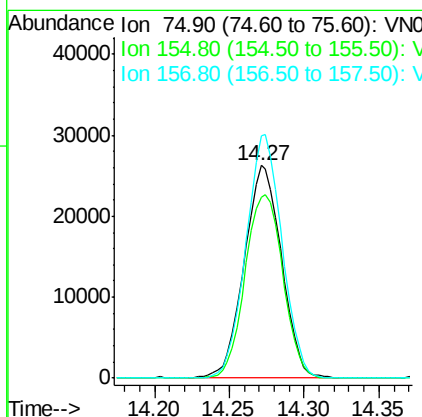
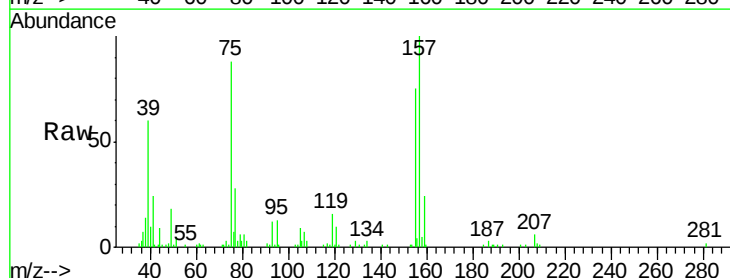
Manual Integrations
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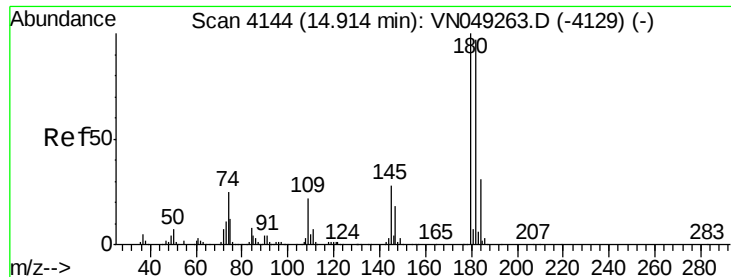
MMDadoda
 6/18/2018 3:16:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.90 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	38.8	116.3
157	110.7	51.0	153.1





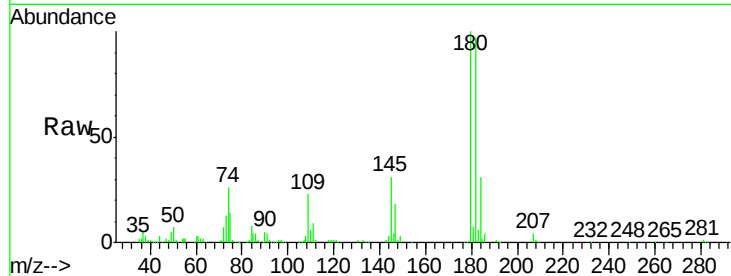
#93
 1,2,4-Trichlorobenzene
 Concen: 15.36 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0616WBS02

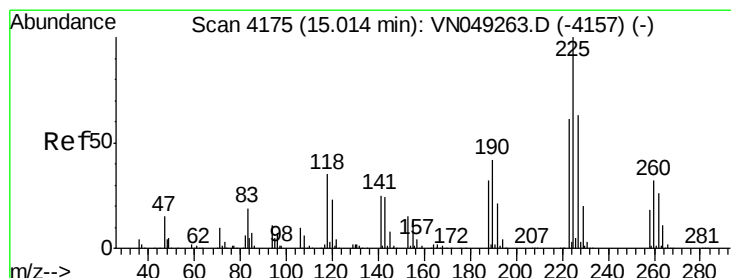
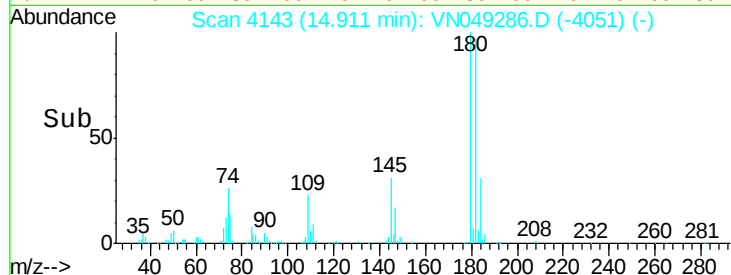
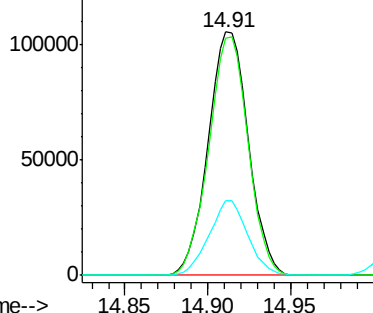
Tot Ion	Ratio	Resp	Lower	Upper
180	100	177450		
182	95.6	46.9	140.8	
145	29.6	14.7	44.1	

Manual Integrations
 APPROVED

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

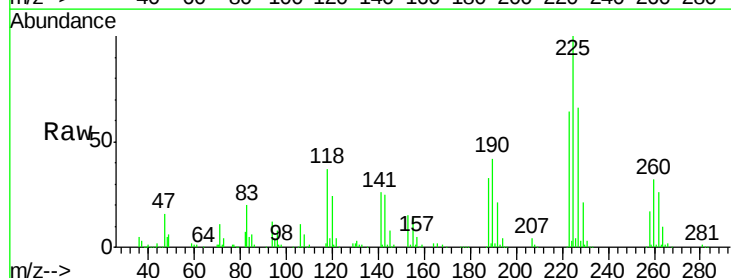


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

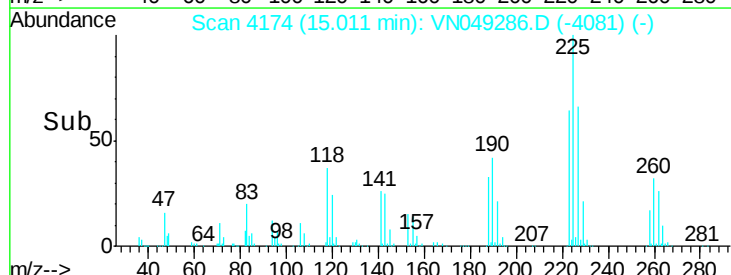
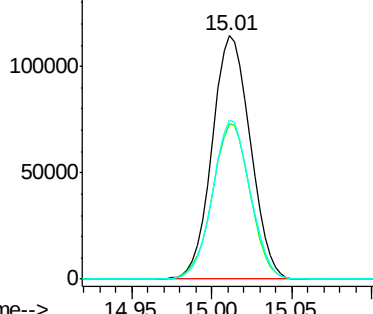


#94
 Hexachlorobutadiene
 Concen: 17.53 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049286.D
 Acq: 16 Jun 2018 3:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	186330		
223	63.0	32.1	96.3	
227	64.1	31.8	95.3	



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





#95

Naphthalene

Concen: 15.21 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Instrument :

MSVOA_N

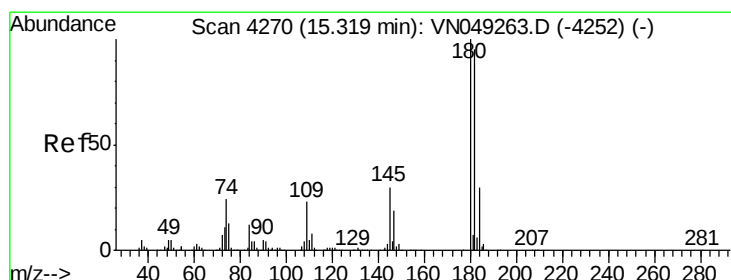
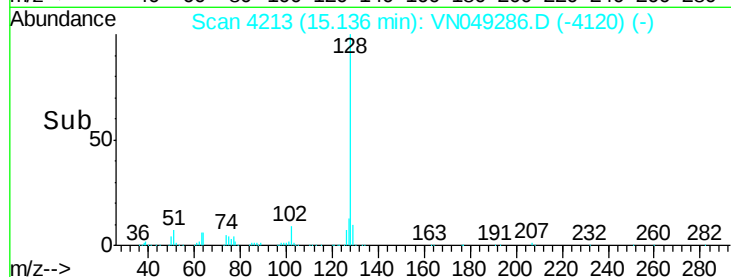
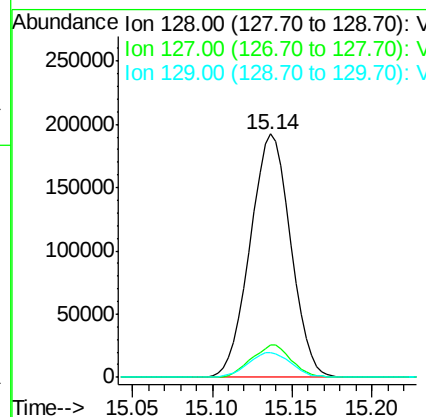
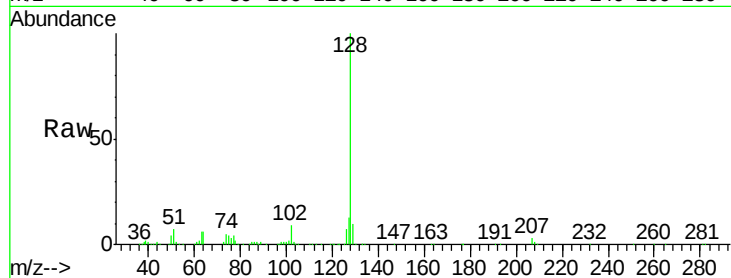
ClientSampled :

VN0616WBS02

Tot Ion:	128	Resp:	333551
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.8	8.5	12.7

Manual Integrations
APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 16.17 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049286.D

Acq: 16 Jun 2018 3:52

Tgt Ion:	180	Resp:	201995
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.3	141.8
145	30.7	15.6	46.7

