

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042919\
 Data File : VN055296.D
 Acq On : 29 Apr 2019 16:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:59:26 AM

Quant Time: Apr 30 05:15:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 04:20:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	431901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	689248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	607563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	251933	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	270226	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
35) Dibromofluoromethane	7.59	113	220905	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
50) Toluene-d8	10.09	98	810874	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.40	95	281345	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	262592	49.623	ug/l	99
3) Chloromethane	2.06	50	302266	46.130	ug/l	99
4) Vinyl Chloride	2.19	62	240670	45.565	ug/l	99
5) Bromomethane	2.56	94	130566	46.668	ug/l	99
6) Chloroethane	2.70	64	129097	45.118	ug/l	99
7) Trichlorofluoromethane	3.02	101	343328	45.713	ug/l	99
8) Diethyl Ether	3.41	74	121497	46.237	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	212882	47.599	ug/l	99
10) Methyl Iodide	3.95	142	309296	49.140	ug/l	99
11) Tert butyl alcohol	4.79	59	83428	257.898	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	196099	45.963	ug/l	96
13) Acrolein	3.61	56	59121	234.017	ug/l	96
14) Allyl chloride	4.33	41	420944	47.638	ug/l	99
15) Acrylonitrile	4.99	53	427463	235.087	ug/l	100
16) Acetone	3.82	43	407366	231.386	ug/l	100
17) Carbon Disulfide	4.06	76	515962	46.340	ug/l	98
18) Methyl Acetate	4.33	43	208194	48.514	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	587222	48.959	ug/l	100
20) Methylene Chloride	4.55	84	235172	43.763	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	211182	46.737	ug/l	98
22) Diisopropyl ether	5.95	45	852927	48.581	ug/l	98
23) Vinyl Acetate	5.90	43	2942249	255.699	ug/l	100
24) 1,1-Dichloroethane	5.85	63	437973	46.820	ug/l	99
25) 2-Butanone	6.83	43	561721	249.487	ug/l	100
26) 2,2-Dichloropropane	6.82	77	316272	48.961	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	248407	48.343	ug/l	99
28) Bromochloromethane	7.19	49	223393	47.377	ug/l	98
29) Tetrahydrofuran	7.21	42	347320	240.910	ug/l	100
30) Chloroform	7.37	83	414901	46.788	ug/l	100
31) Cyclohexane	7.65	56	400657	45.080	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	338406	47.021	ug/l	99
36) 1,1-Dichloropropene	7.79	75	308184	46.681	ug/l	99
37) Ethyl Acetate	6.92	43	233406	46.129	ug/l	99
38) Carbon Tetrachloride	7.77	117	285379	44.811	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	333845	47.561	ug/l	98
40) Benzene	8.04	78	931840	47.880	ug/l	98
41) Methacrylonitrile	7.17	41	123980	45.344	ug/l	95
42) 1,2-Dichloroethane	8.12	62	314253	45.590	ug/l	99
43) Isopropyl Acetate	8.16	43	420595	51.725	ug/l	99
44) Trichloroethene	8.83	130	232152	46.791	ug/l	100
45) 1,2-Dichloropropane	9.12	63	260201	46.355	ug/l	99
46) Dibromomethane	9.21	93	145053	47.276	ug/l	98
47) Bromodichloromethane	9.40	83	310995	47.248	ug/l	98
48) Methyl methacrylate	9.20	41	189094	47.304	ug/l	96
49) 1,4-Dioxane	9.20	88	43958	1063.771	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1168948	255.333	ug/l	99
52) Toluene	10.16	92	542855	48.613	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	304012	53.205	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	370011	51.937	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	192249	46.362	ug/l	97
56) Ethyl methacrylate	10.43	69	279896	54.840	ug/l	96
57) 1,3-Dichloropropane	10.71	76	352659	48.479	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	485999	304.000	ug/l	99
59) 2-Hexanone	10.75	43	770015	268.816	ug/l	99
60) Dibromochloromethane	10.90	129	216162	51.005	ug/l	99
61) 1,2-Dibromoethane	11.00	107	191239	49.896	ug/l	99
64) Tetrachloroethene	10.63	164	212810	42.832	ug/l	98
65) Chlorobenzene	11.43	112	559480	47.099	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	211684	45.511	ug/l	99
67) Ethyl Benzene	11.51	91	1042042	48.579	ug/l	99
68) m/p-Xylenes	11.62	106	759717	99.224	ug/l	98
69) o-Xylene	11.95	106	368466	48.553	ug/l	99
70) Styrene	11.96	104	618447	53.076	ug/l	99
71) Bromoform	12.13	173	127860	49.540	ug/l #	99
73) Isopropylbenzene	12.25	105	980119	48.818	ug/l	100
74) N-amyl acetate	12.07	43	372715	57.646	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	241424	48.255	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	207935m	44.107	ug/l	
77) Bromobenzene	12.53	156	238703	49.653	ug/l	98
78) n-propylbenzene	12.59	91	1115901	43.120	ug/l	100
79) 2-Chlorotoluene	12.67	91	675441	49.440	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	816677	41.349	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	59555	44.798	ug/l	99
82) 4-Chlorotoluene	12.77	91	663559	44.100	ug/l	99
83) tert-Butylbenzene	12.99	119	675882	48.245	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	797380	45.141	ug/l	100
85) sec-Butylbenzene	13.17	105	887353	41.335	ug/l	99
86) p-Isopropyltoluene	13.29	119	788140	44.669	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	396129	46.989	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	385203	48.520	ug/l	99
89) n-Butylbenzene	13.61	91	653253	52.103	ug/l	99
90) Hexachloroethane	13.87	117	127305	45.424	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	381410	45.648	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33424	50.429	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	159631	48.563	ug/l	99
94) Hexachlorobutadiene	15.01	225	131907	52.610	ug/l	99
95) Naphthalene	15.13	128	317467	45.646	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	158425	48.897	ug/l	98

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

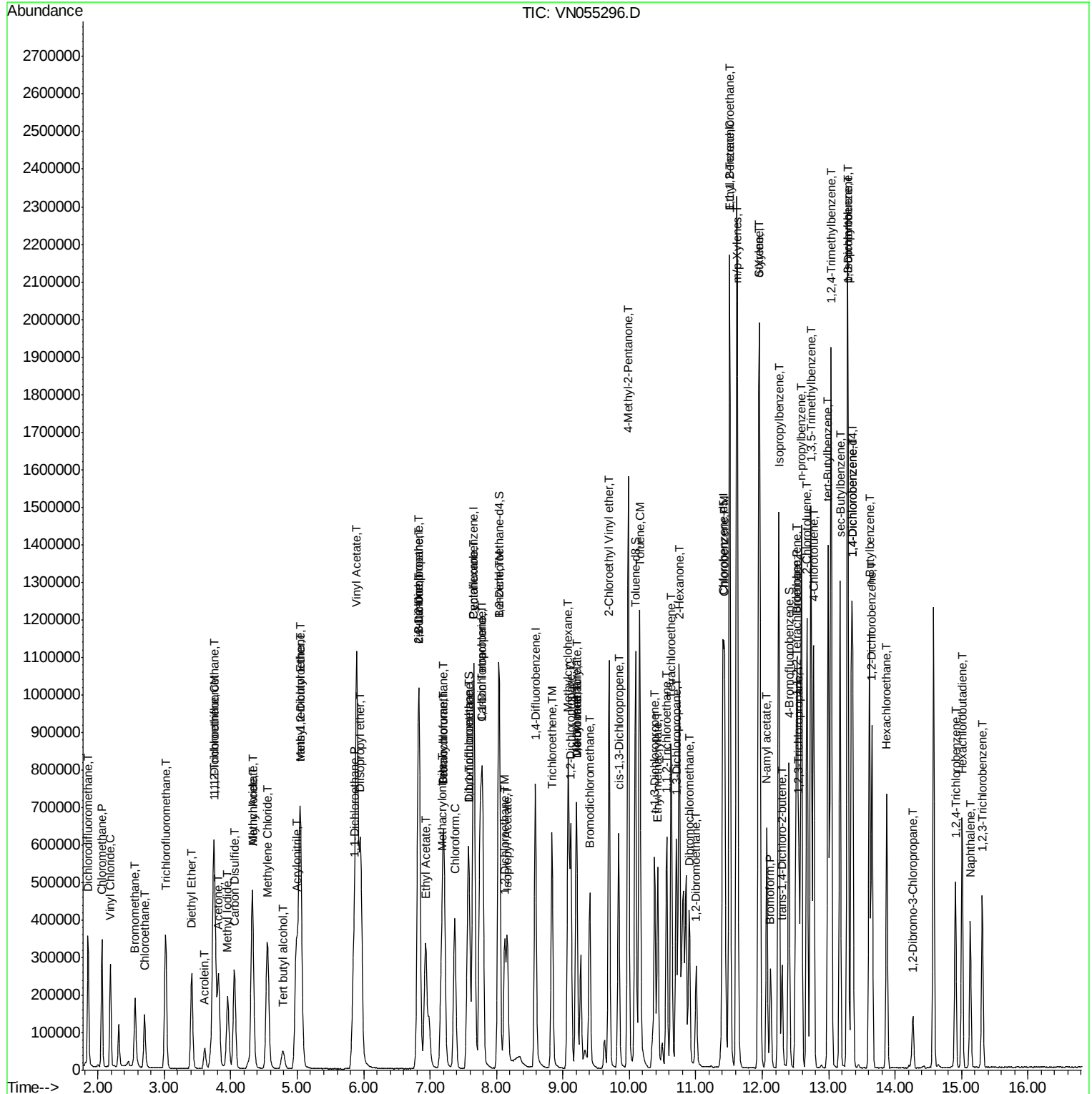
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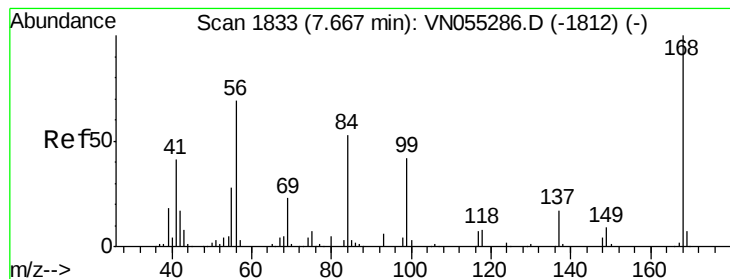
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 431901

Ion Ratio Lower Upper

168 100

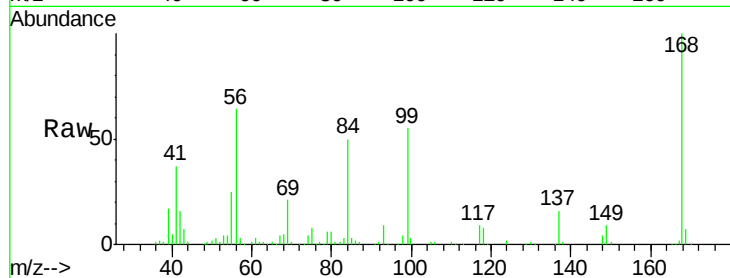
99 53.9 43.6 65.4

Manual Integrations

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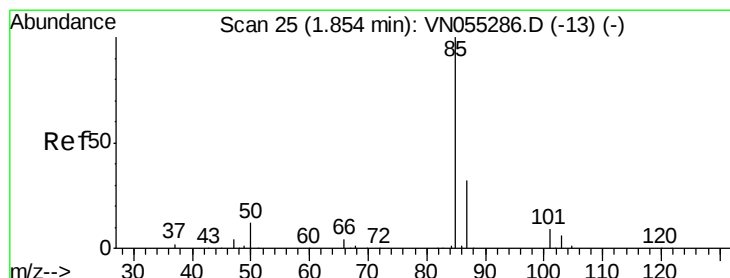
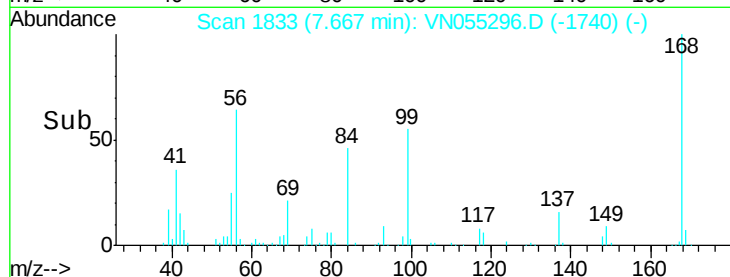
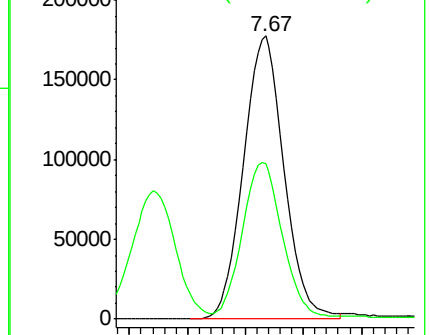
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4/30/2019 11:59:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.623 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055296.D

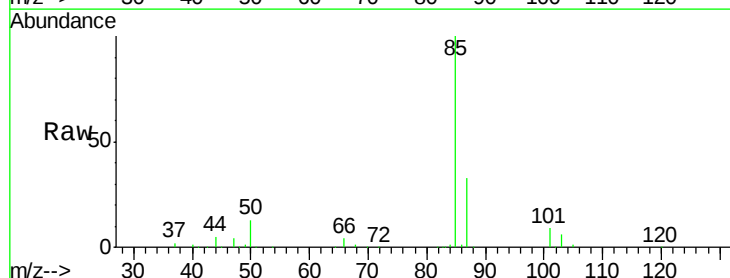
Acq: 29 Apr 2019 16:31

Tgt Ion: 85 Resp: 262592

Ion Ratio Lower Upper

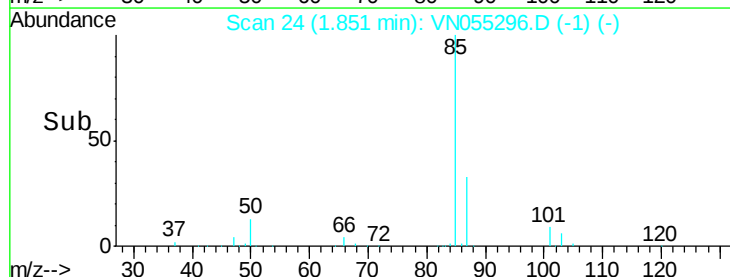
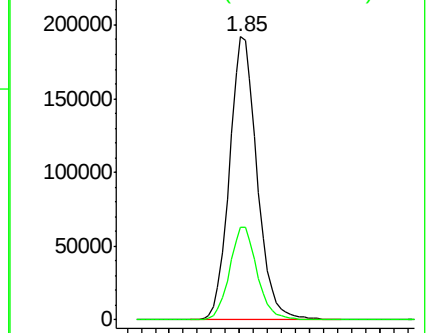
85 100

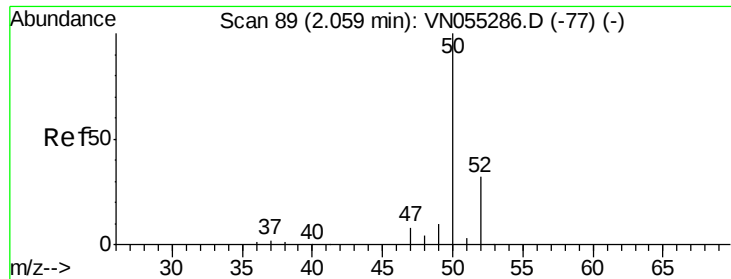
87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.130 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 302266

Ion Ratio Lower Upper

50 100

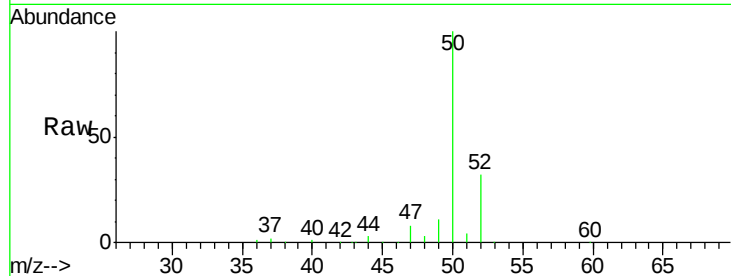
52 31.6 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

200000

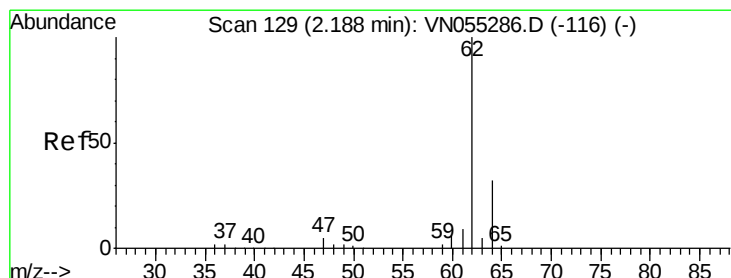
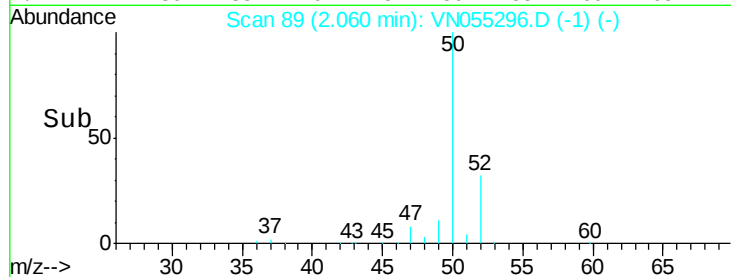
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 45.565 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055296.D

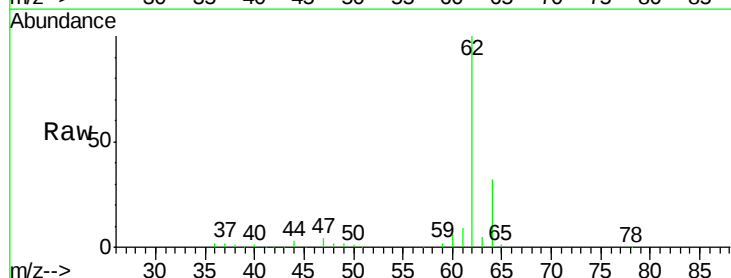
Acq: 29 Apr 2019 16:31

Tgt Ion: 62 Resp: 240670

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

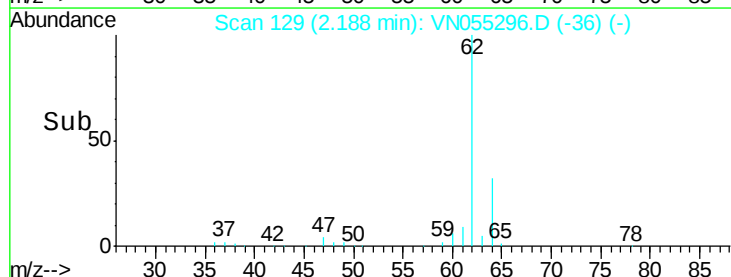
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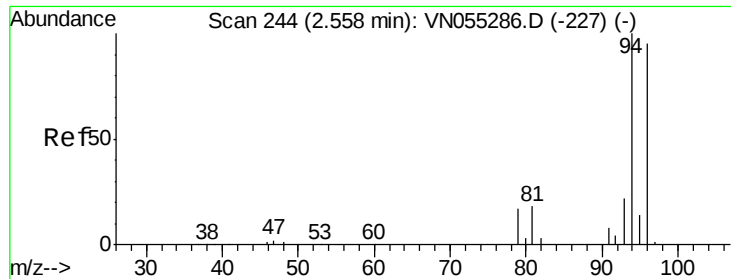
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50000

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Time-->





#5

Bromomethane

Concen: 46.668 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Instrument :

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Tot Ion: 94 Resp: 130566

Ion Ratio Lower Upper

94 100

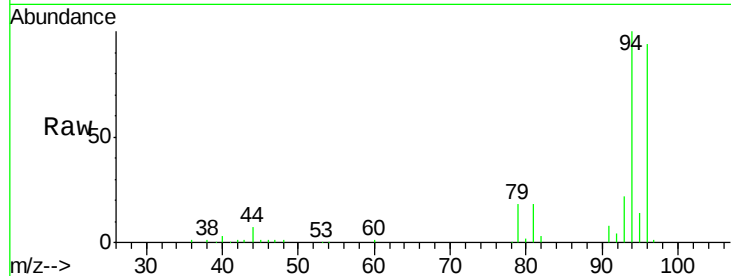
96 93.9 76.0 114.0

Manual Integrations

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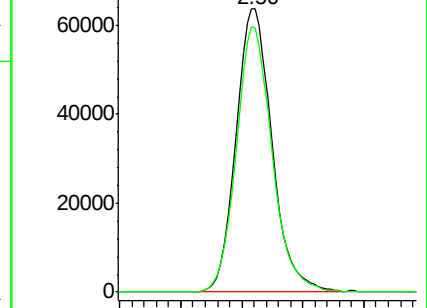
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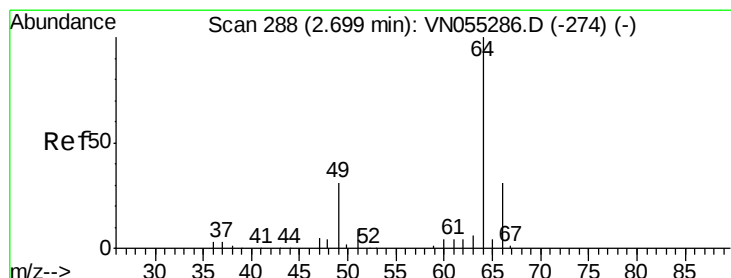
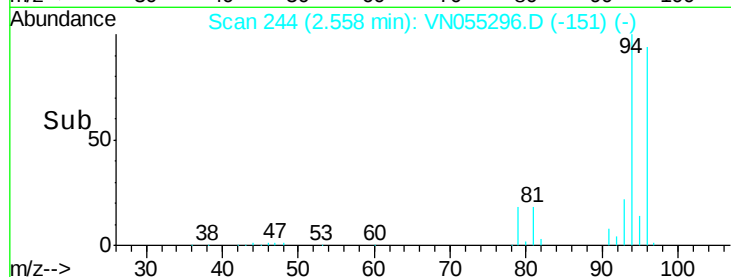


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 45.118 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055296.D

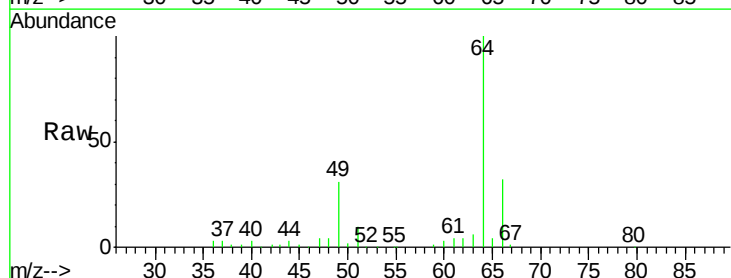
Acq: 29 Apr 2019 16:31

Tgt Ion: 64 Resp: 129097

Ion Ratio Lower Upper

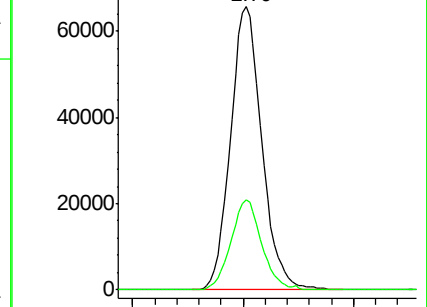
64 100

66 31.7 25.0 37.4

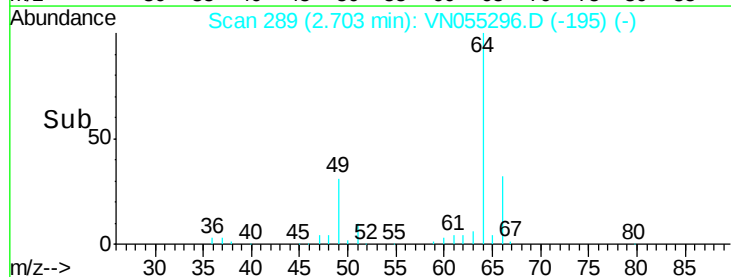


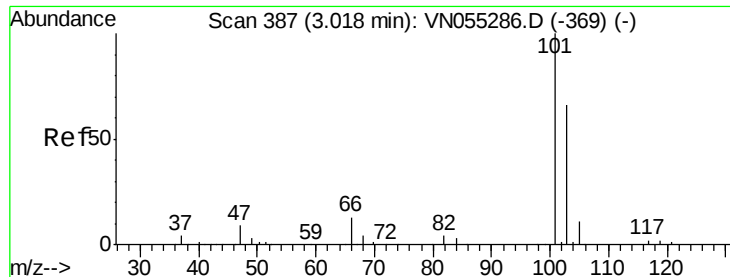
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

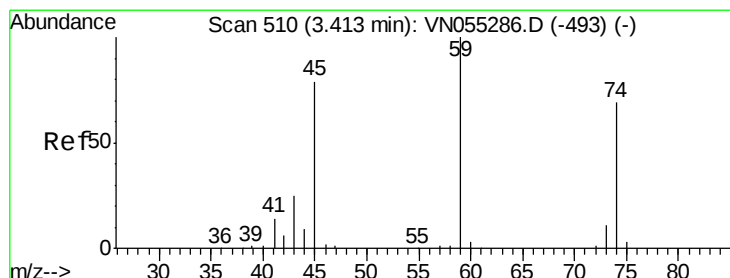
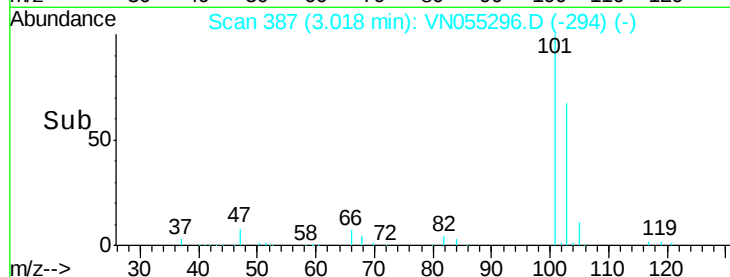
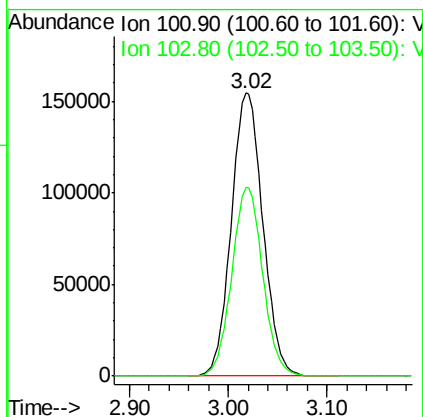
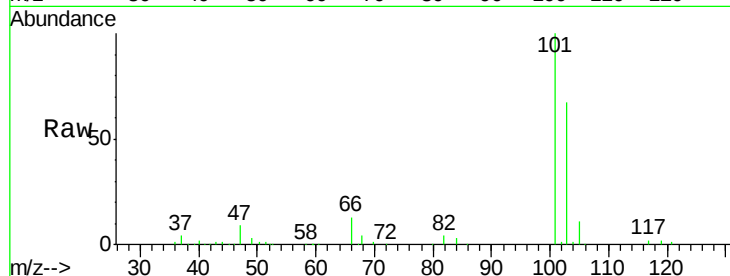
Trichlorofluoromethane
 Concen: 45.713 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.6	79.0

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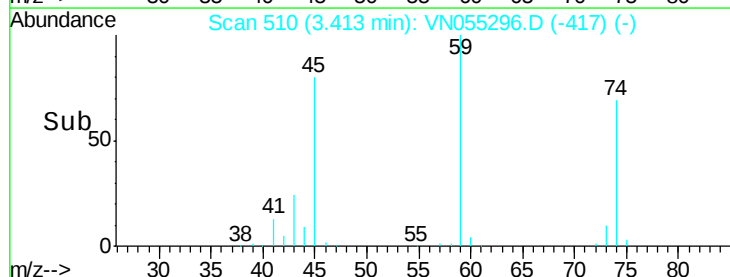
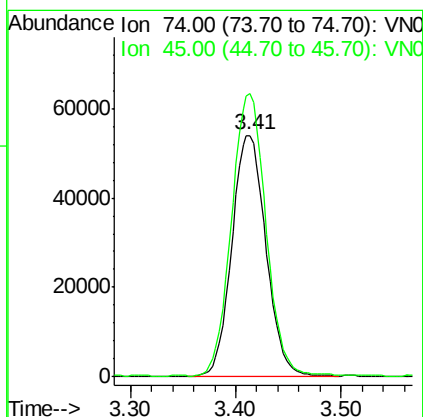
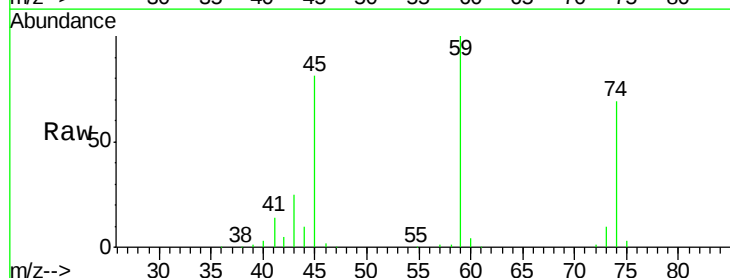
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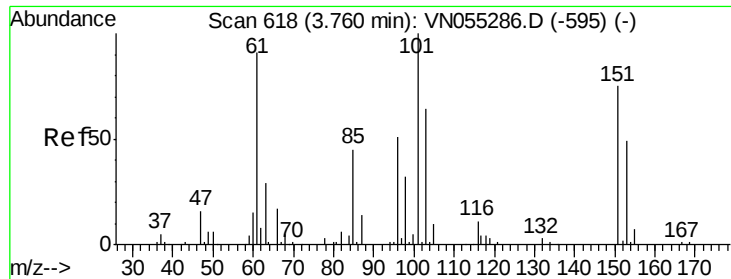


#8

Diethyl Ether
 Concen: 46.237 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.5	58.9	176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.599 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Instrument :

MSVOA_N

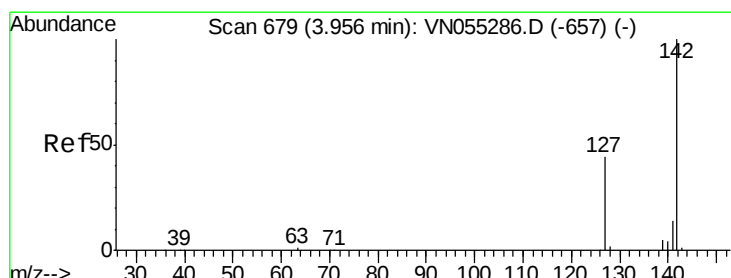
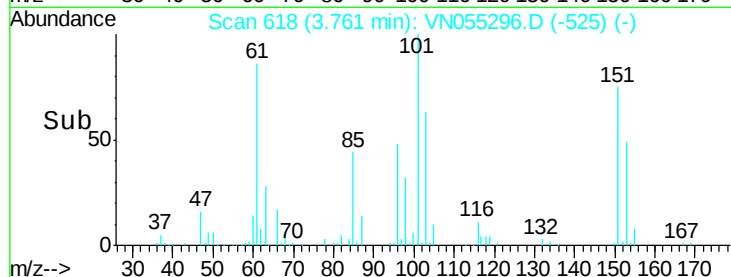
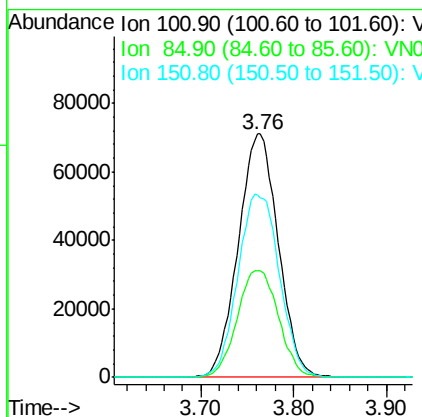
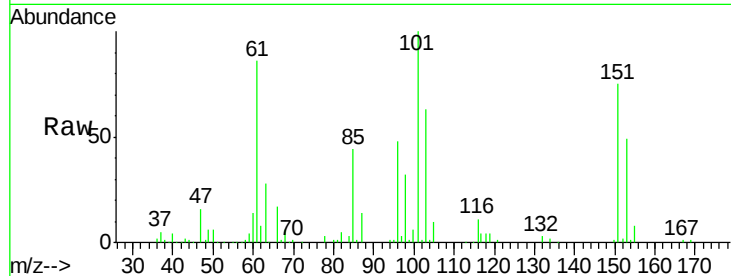
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	212882
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.7	53.5
151	78.4	63.3	94.9

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#10

Methyl Iodide

Concen: 49.140 ug/l

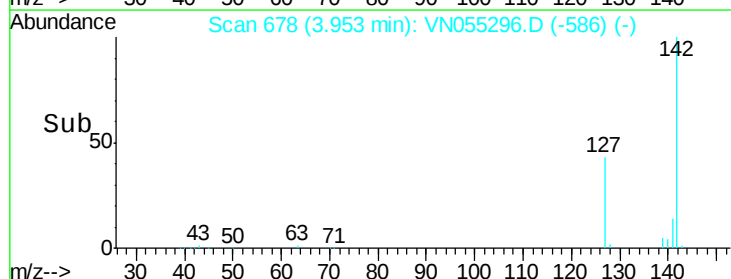
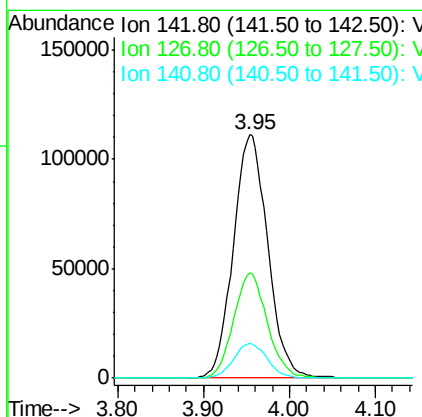
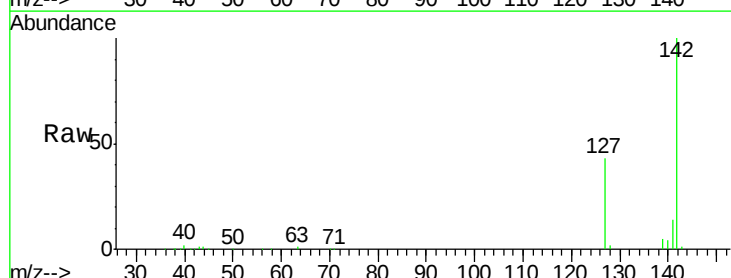
RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Tgt Ion:	142	Resp:	309296
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.4	51.6
141	14.0	11.5	17.3





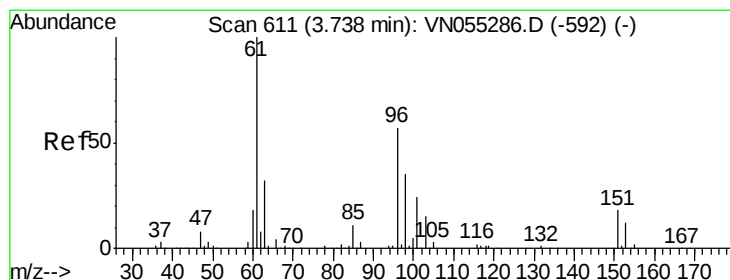
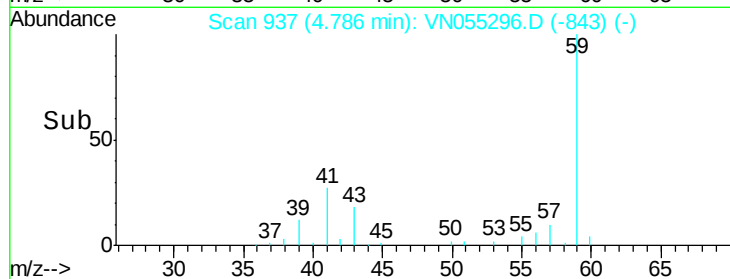
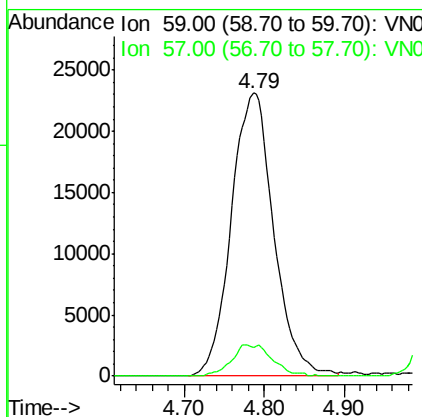
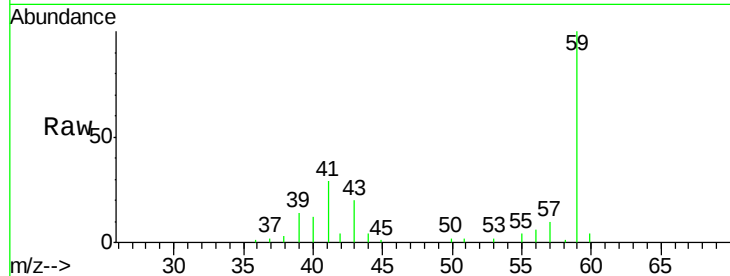
#11
Tert butyl alcohol
Concen: 257.898 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.6	8.2	12.2#

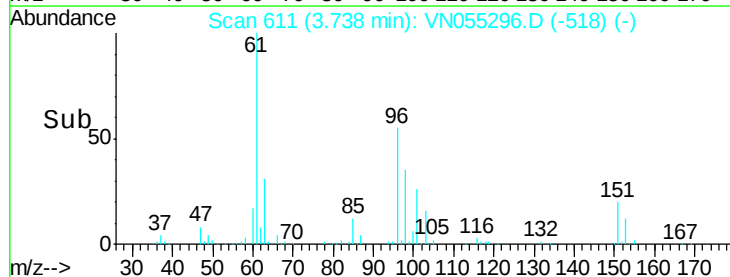
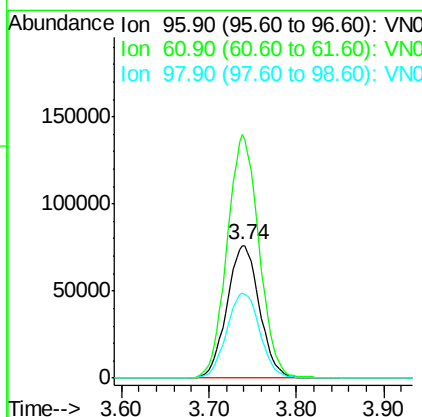
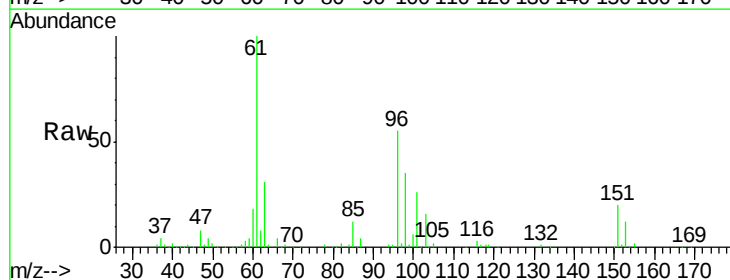
Manual Integrations
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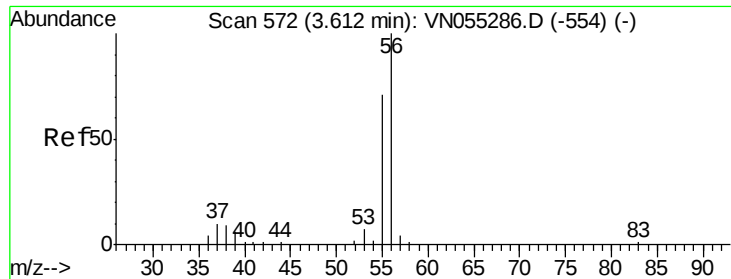
MMDadoda
4/30/2019 11:59:26 AM



#12
1,1-Dichloroethene
Concen: 45.963 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.3	140.9	211.3
98	64.2	50.0	75.0





#13

Acrolein

Concen: 234.017 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.01 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 59121

Ion Ratio Lower Upper

56 100

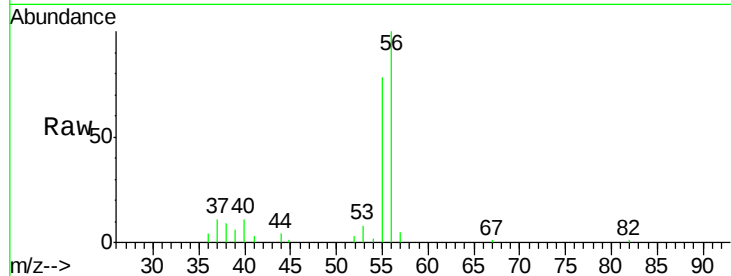
55 75.0 57.4 86.2

Manual Integrations

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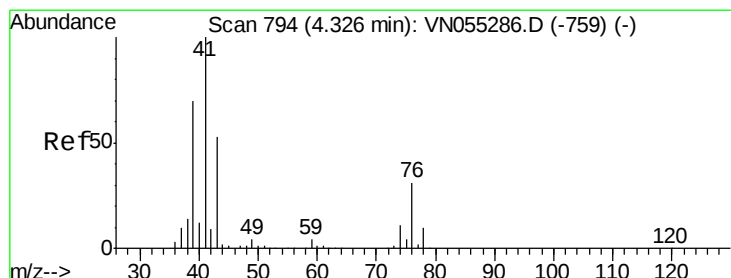
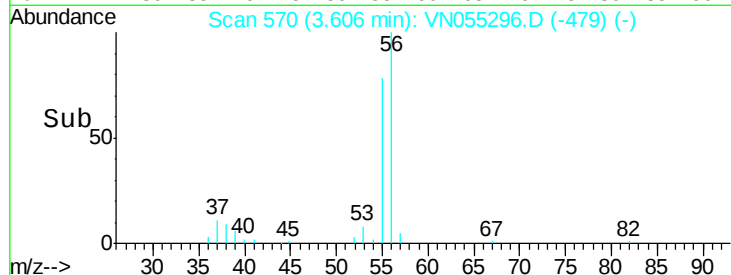
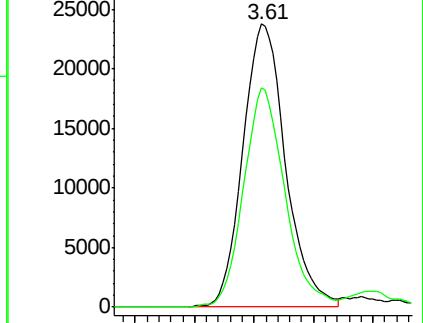
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 47.638 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

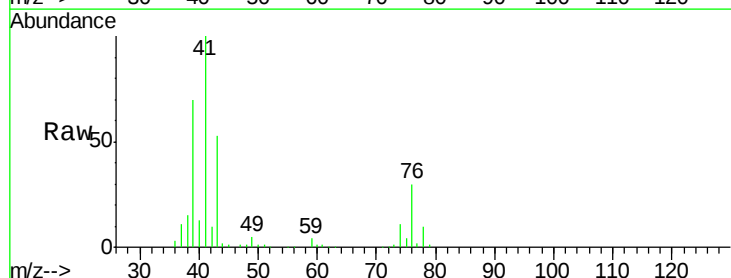
Tgt Ion: 41 Resp: 420944

Ion Ratio Lower Upper

41 100

39 65.7 53.0 79.6

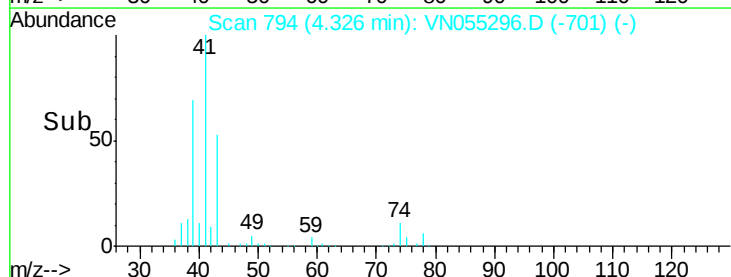
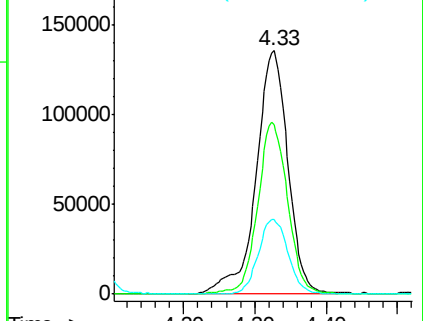
76 28.2 22.7 34.1

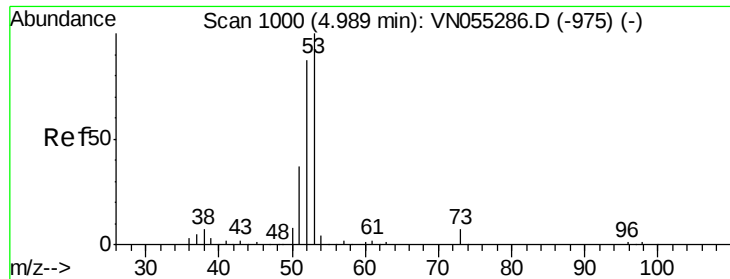


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





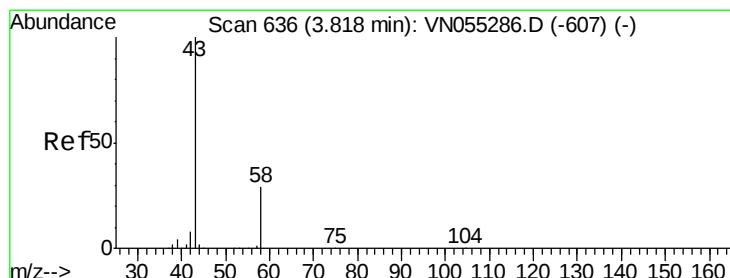
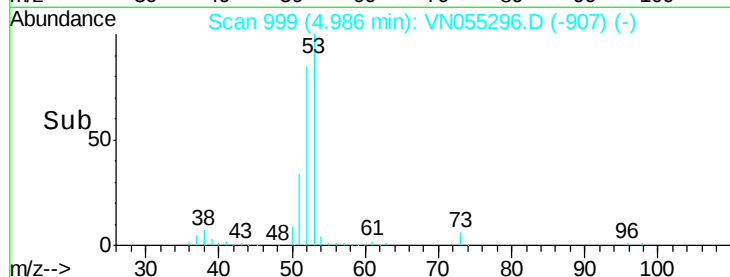
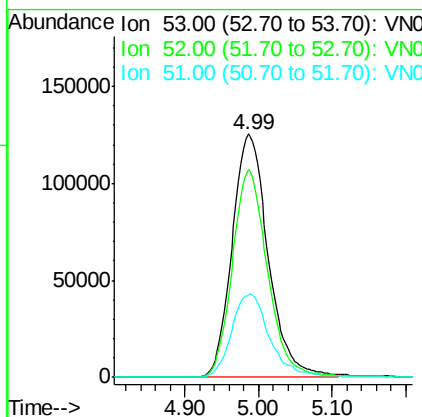
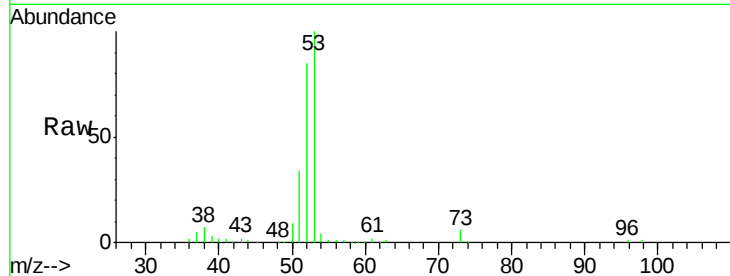
#15
 Acrylonitrile
 Concen: 235.087 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.5	99.7
51	36.3	29.6	44.4

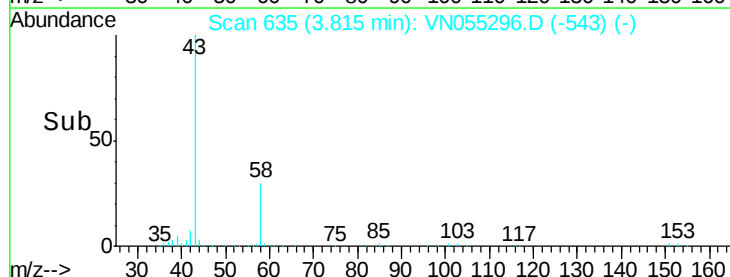
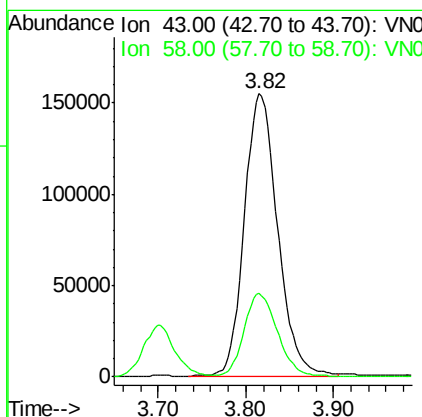
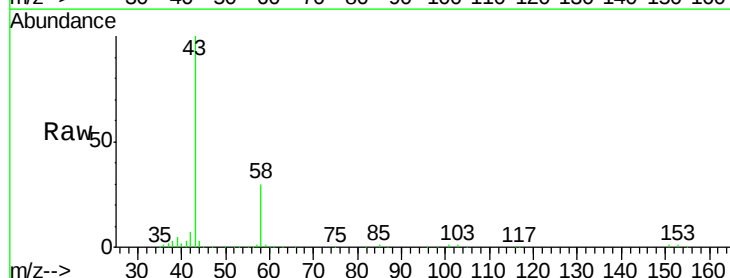
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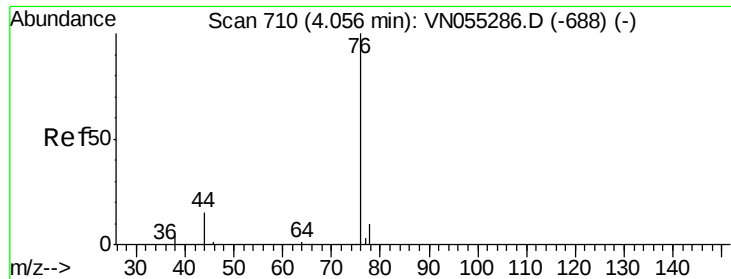
MMDadoda
 4/30/2019 11:59:26 AM



#16
 Acetone
 Concen: 231.386 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.6	35.4





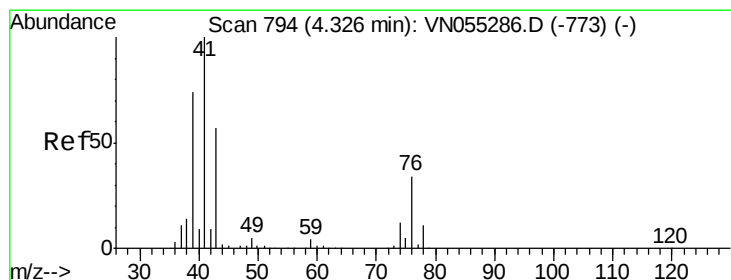
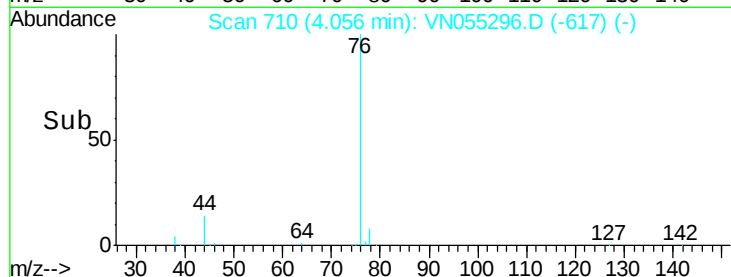
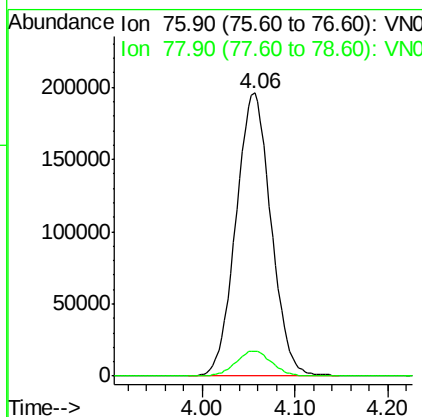
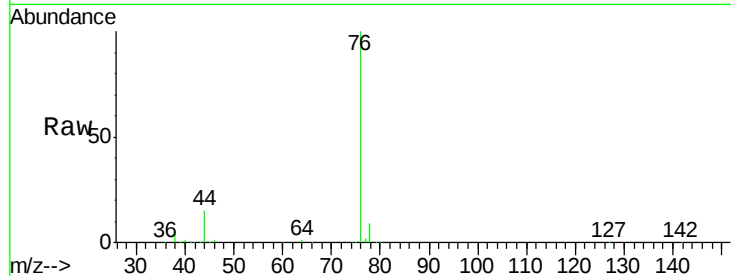
#17
Carbon Disulfide
Concen: 46.340 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4

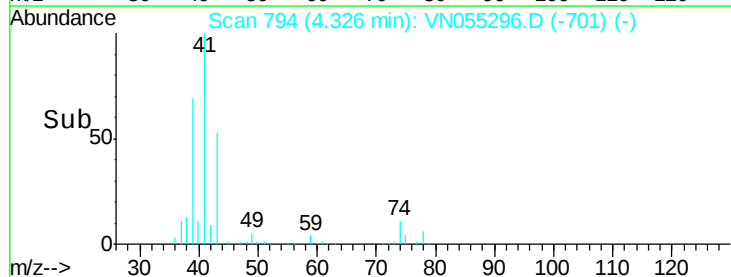
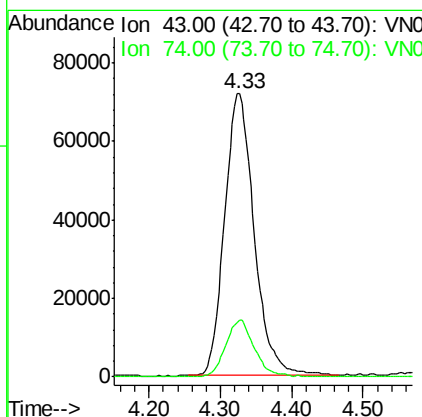
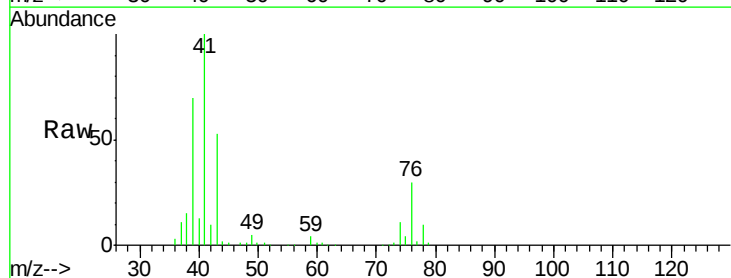
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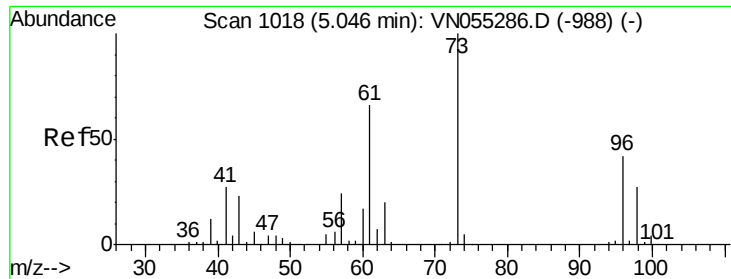
MMDadoda
4/30/2019 11:59:26 AM



#18
Methyl Acetate
Concen: 48.514 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	15.8	23.8





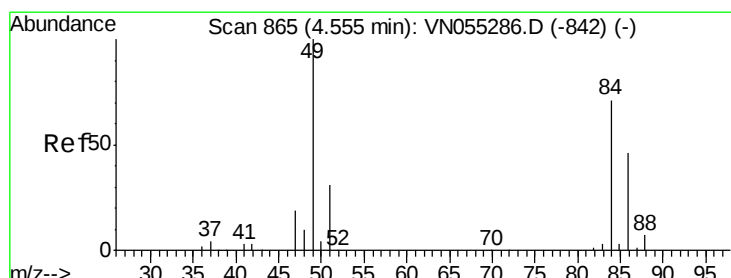
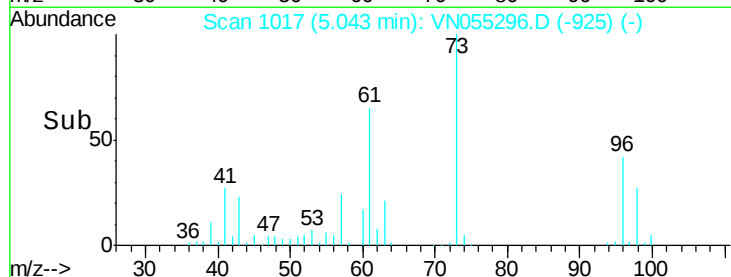
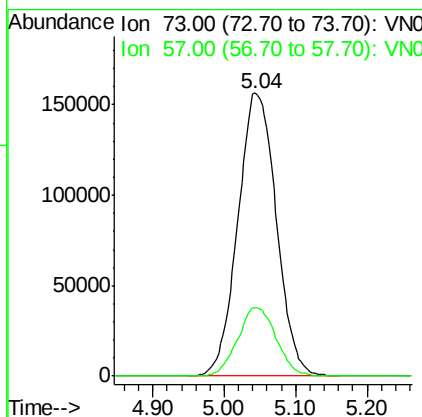
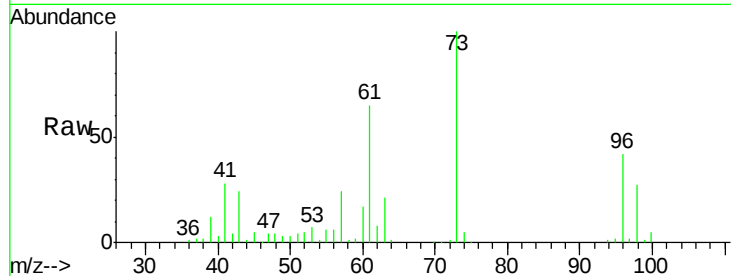
#19
Methvl tert-butvl Ether
Concen: 48.959 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 587222
Ion Ratio Lower Upper
73 100
57 24.0 19.1 28.7

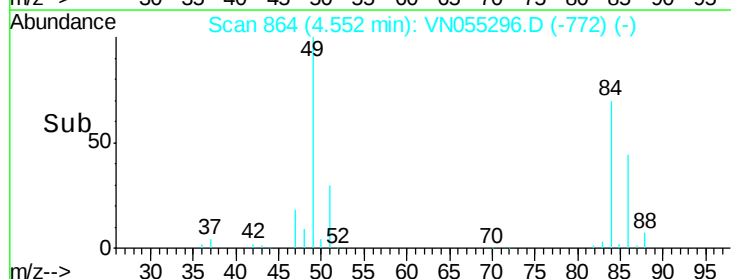
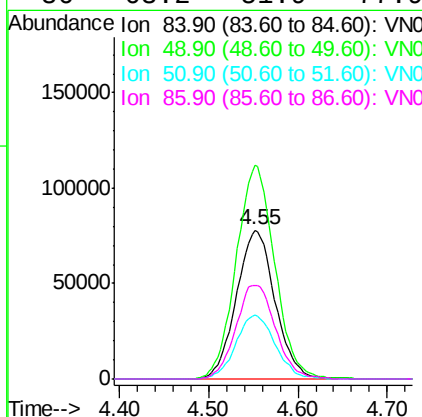
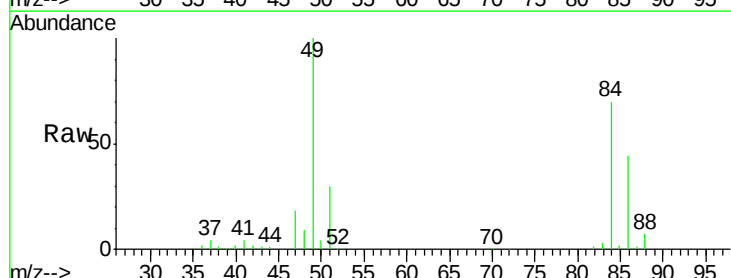
Manual Integrations
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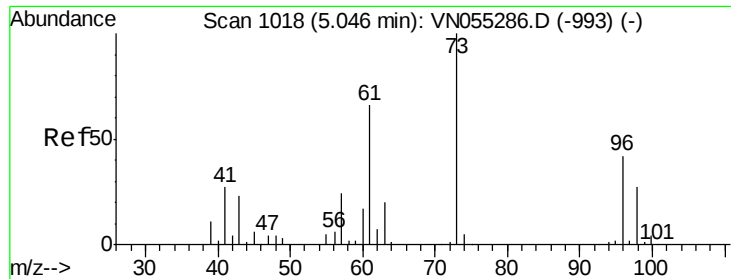
MMDadoda
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#20
Methylene Chloride
Concen: 43.763 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion: 84 Resp: 235172
Ion Ratio Lower Upper
84 100
49 143.8 112.4 168.6
51 42.8 34.6 51.8
86 63.2 51.9 77.9





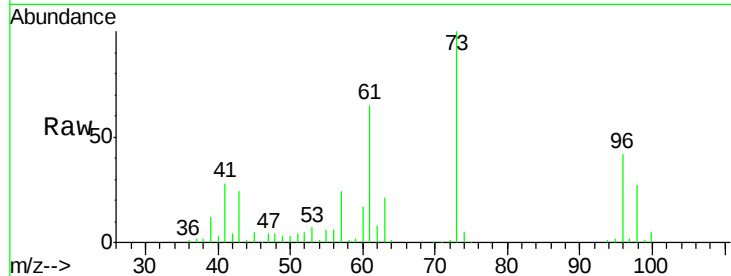
#21
trans-1,2-Dichloroethene
Concen: 46.737 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

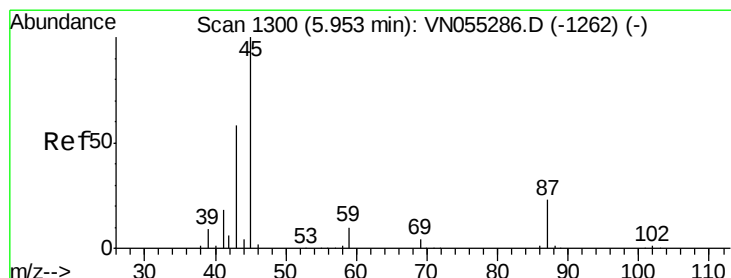
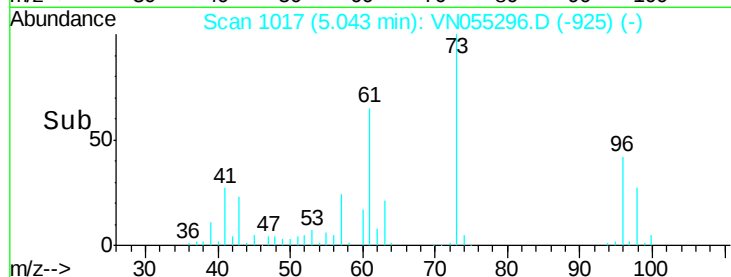
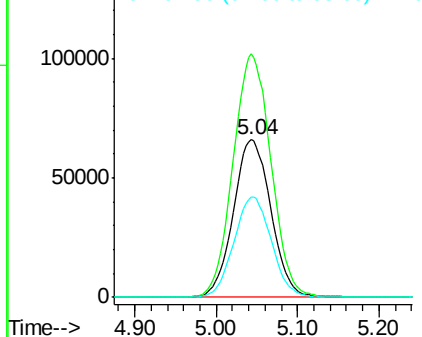
Tot Ion	Ratio	Lower	Upper
96	100		
61	154.6	126.2	189.4
98	63.8	52.2	78.2

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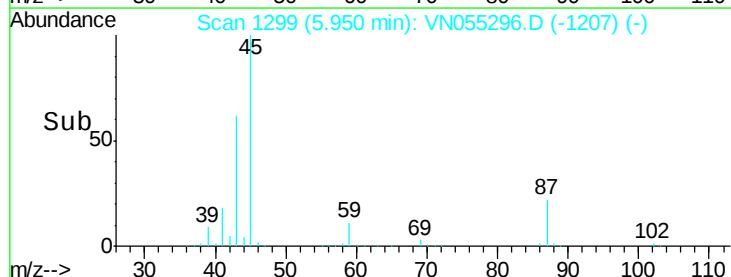
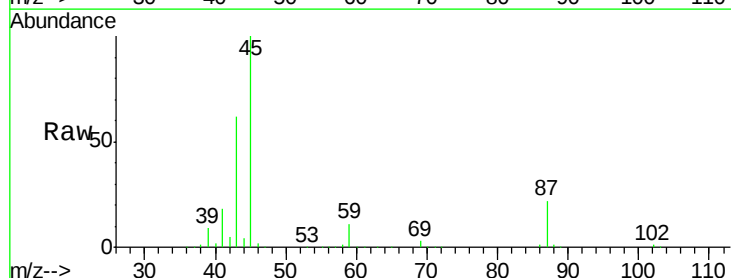
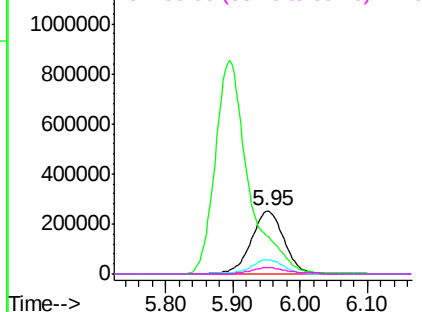
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 48.581 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.2	46.6	70.0
87	22.1	18.1	27.1
59	10.5	8.2	12.2

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 255.699 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2942249

Ion Ratio Lower Upper

43 100

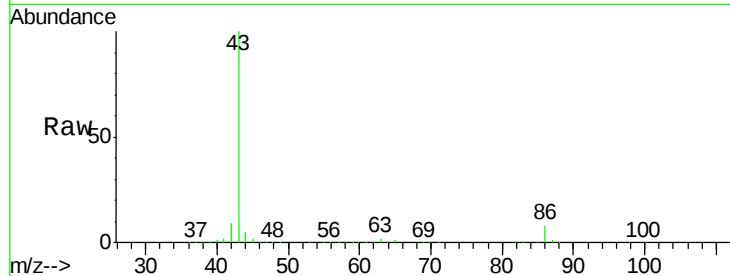
86 8.3 6.6 10.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO

1000000

800000

600000

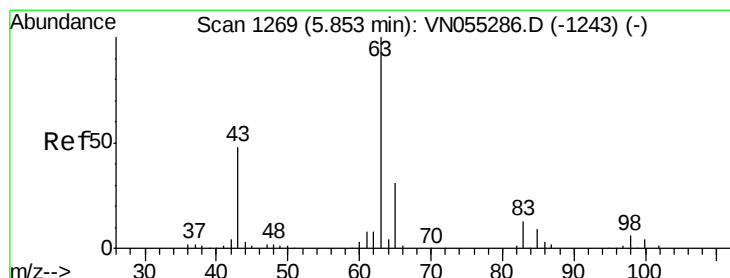
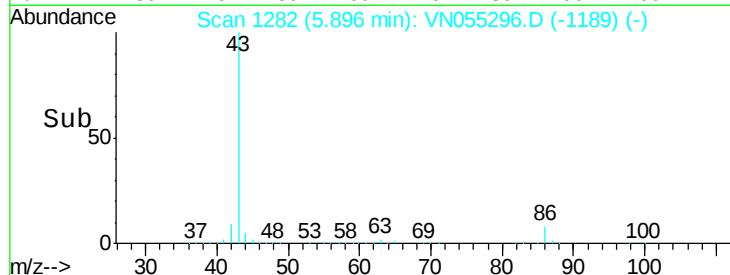
400000

200000

0

5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 46.820 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

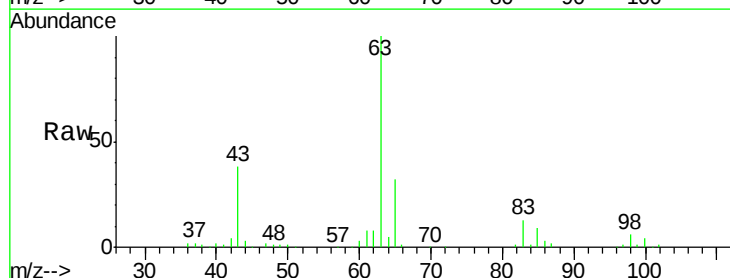
Tgt Ion: 63 Resp: 437973

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

100 3.9 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO

150000

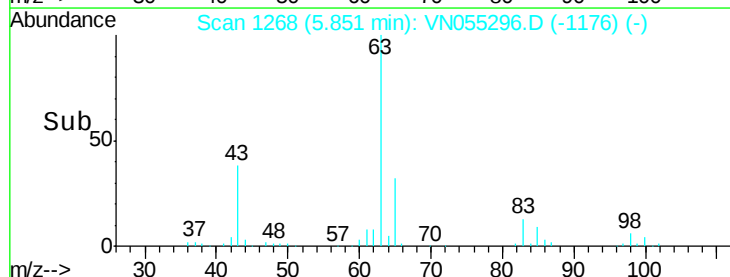
100000

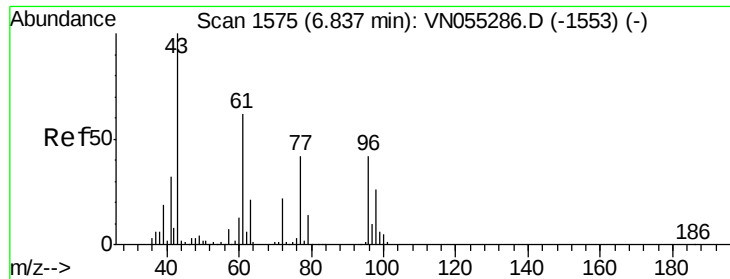
50000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 249.487 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 561721

Ion Ratio Lower Upper

43 100

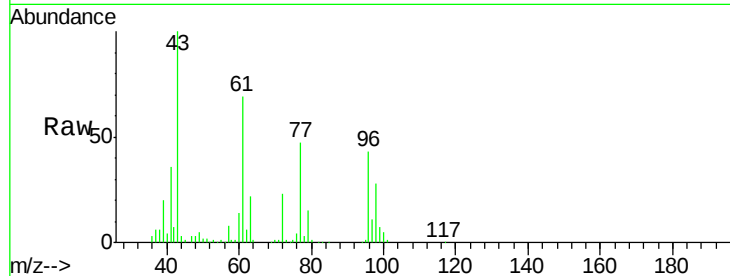
72 22.7 18.0 27.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.83

200000

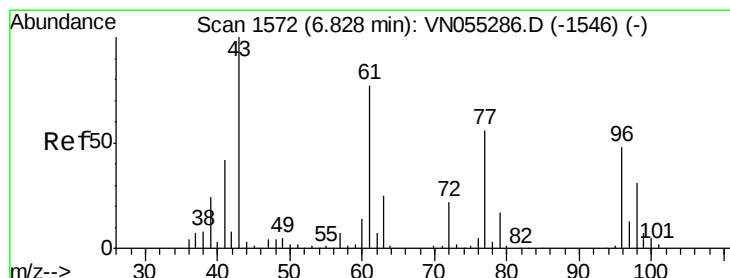
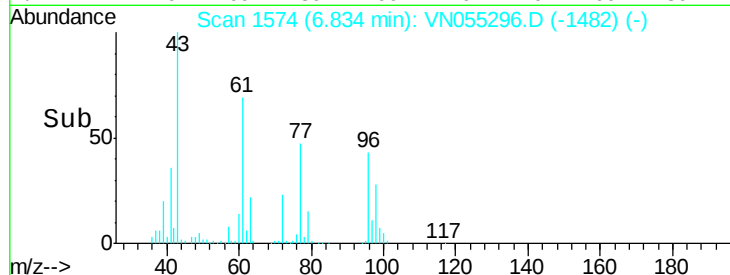
150000

100000

50000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 48.961 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN055296.D

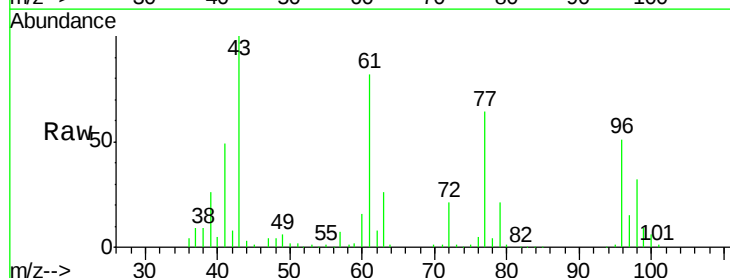
Acq: 29 Apr 2019 16:31

Tgt Ion: 77 Resp: 316272

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

100000

80000

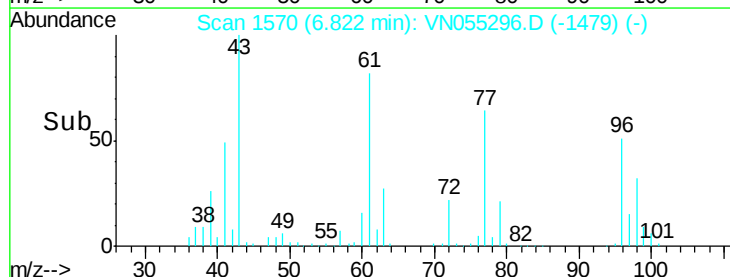
60000

40000

20000

0

Time--> 6.70 6.80 6.90





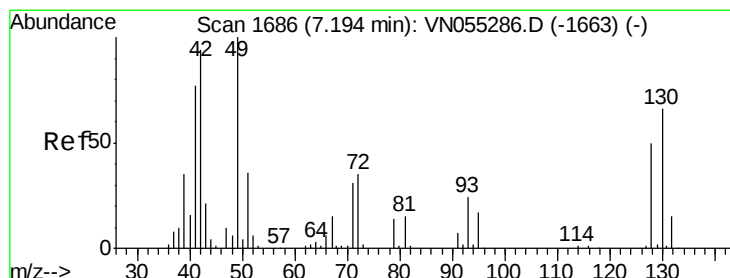
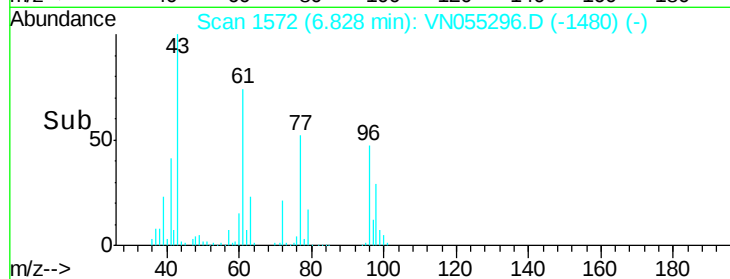
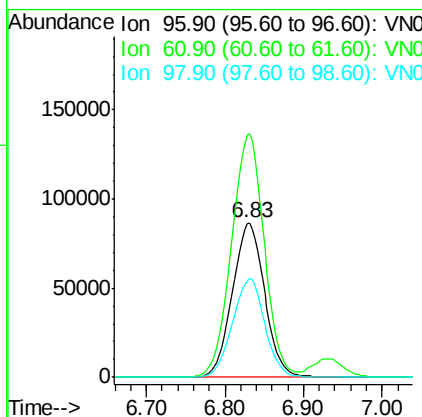
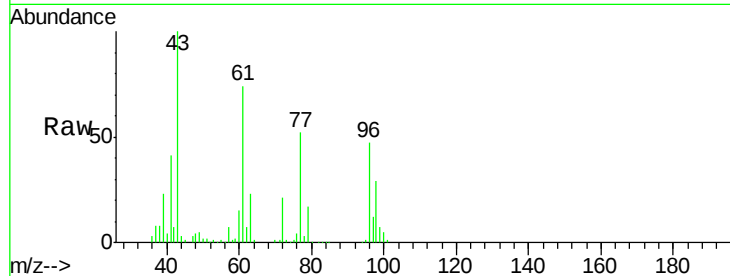
#27
 cis-1,2-Dichloroethene
 Concen: 48.343 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	248407		
61	159.3	0.0	316.2	
98	64.0	0.0	126.6	

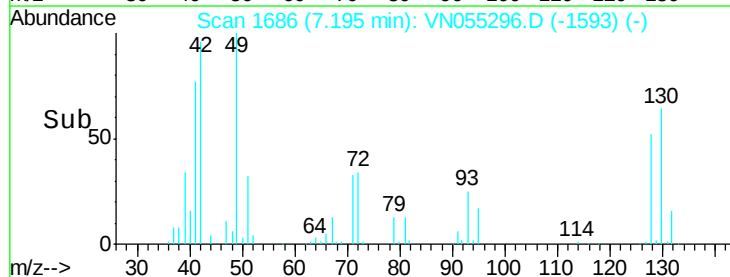
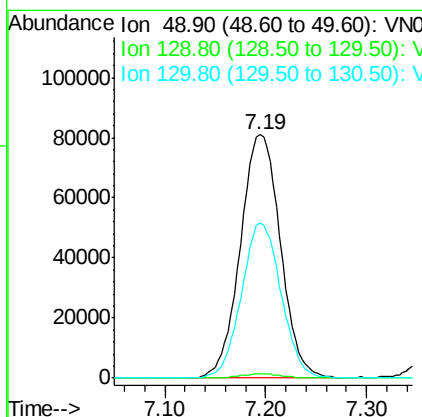
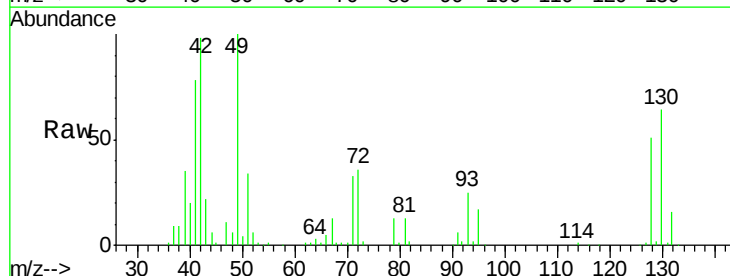
Manual Integrations
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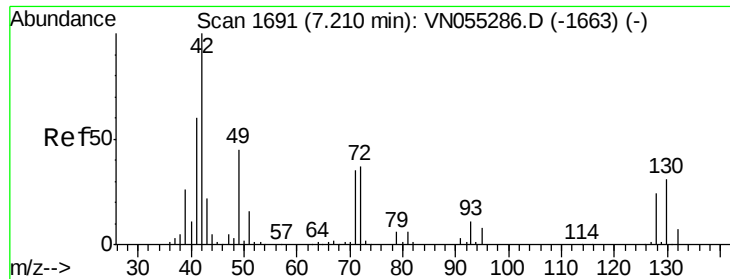
MMDadoda
 4/30/2019 11:59:26 AM



#28
 Bromochloromethane
 Concen: 47.377 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	223393		
129	1.8	0.0	2.4	
130	63.1	52.0	78.0	





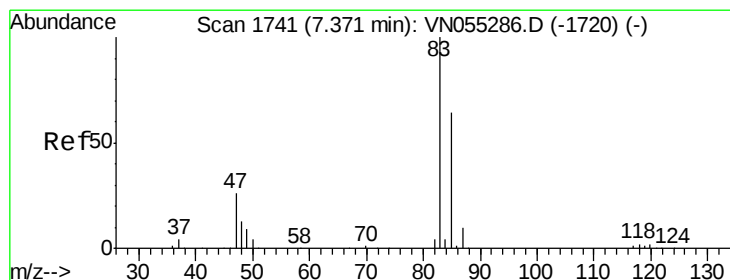
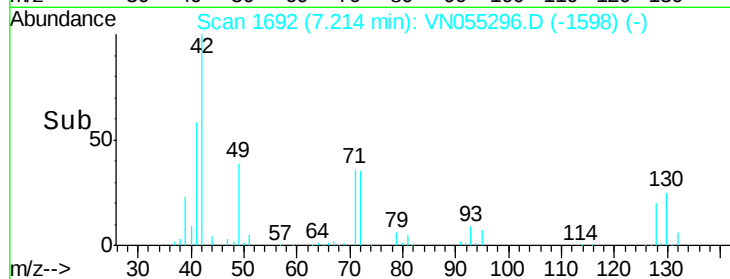
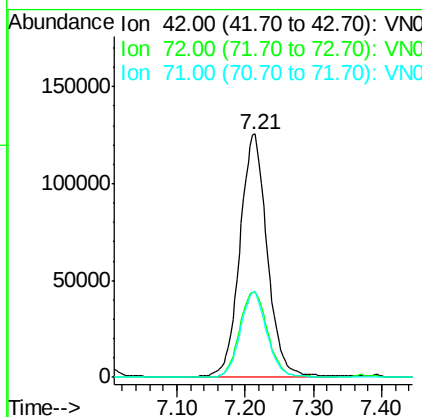
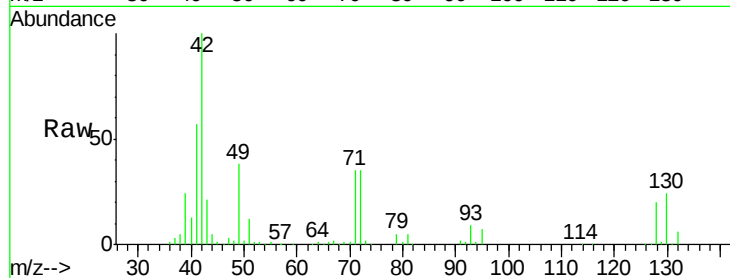
#29
Tetrahydrofuran
Concen: 240.910 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.0	43.6
71	34.1	27.1	40.7

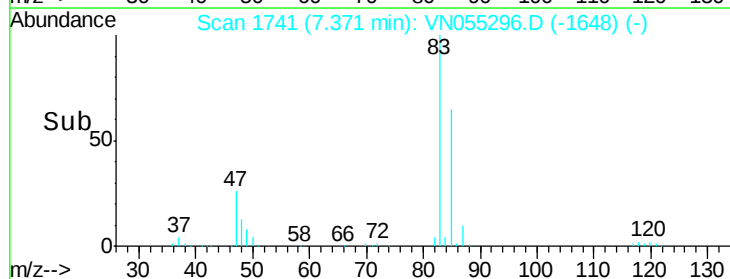
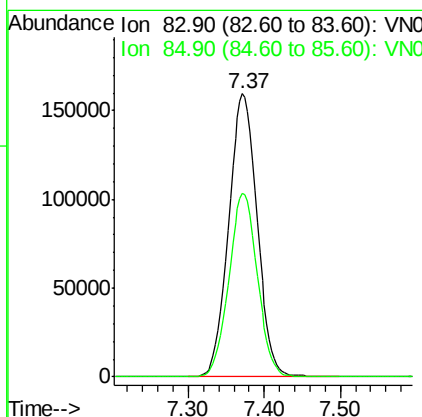
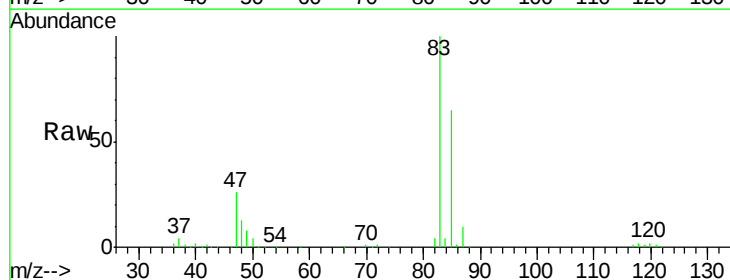
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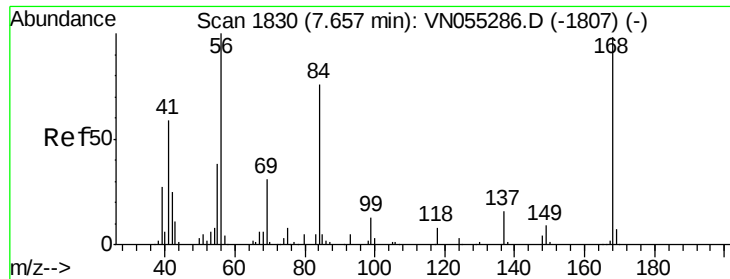
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#30
Chloroform
Concen: 46.788 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.2





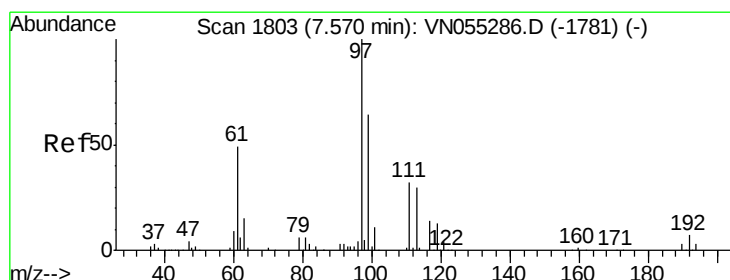
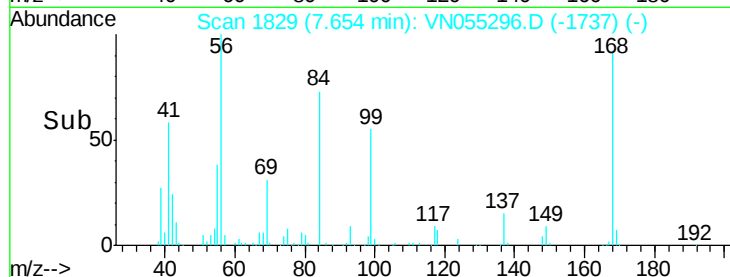
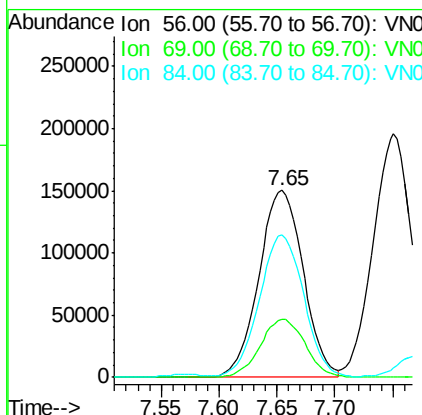
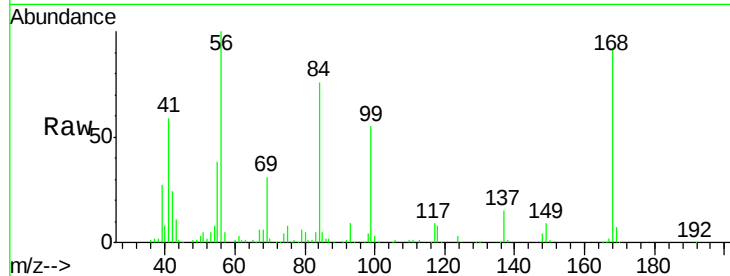
#31
Cyclohexane
Concen: 45.080 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.2	37.8
84	74.8	61.1	91.7

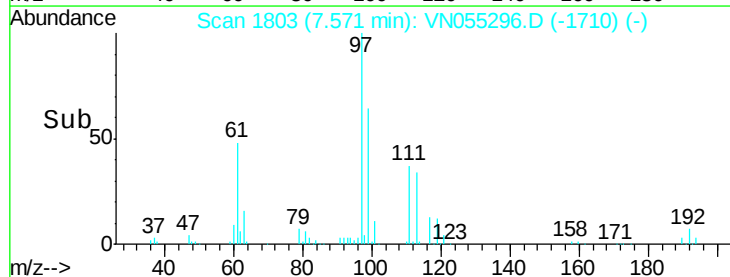
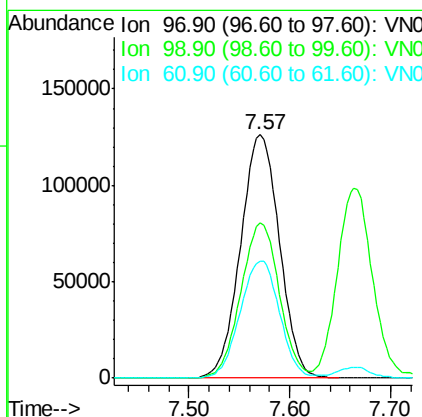
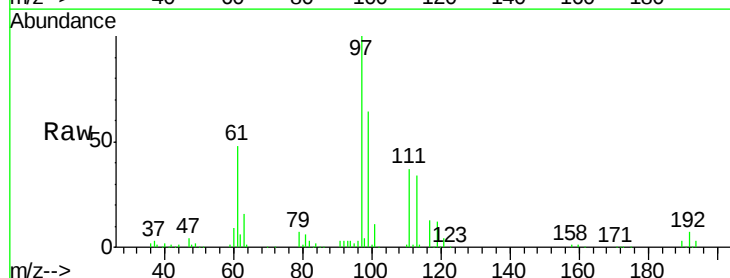
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#32
1,1,1-Trichloroethane
Concen: 47.021 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.8	77.8
61	48.6	39.0	58.6





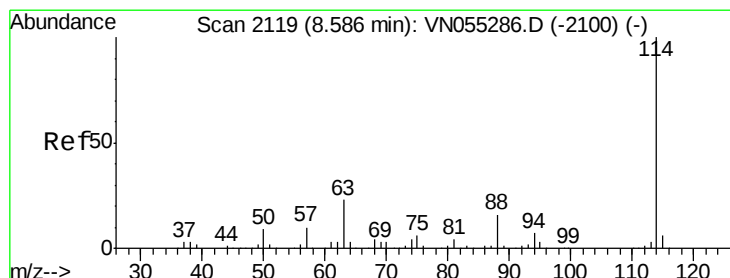
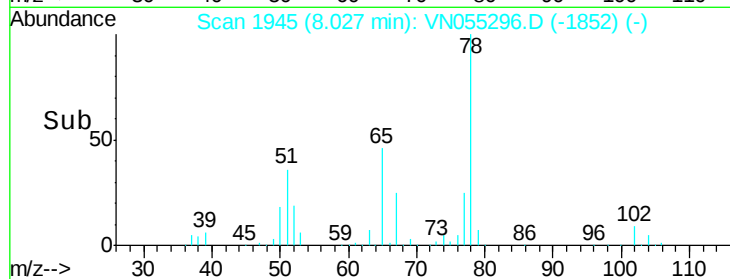
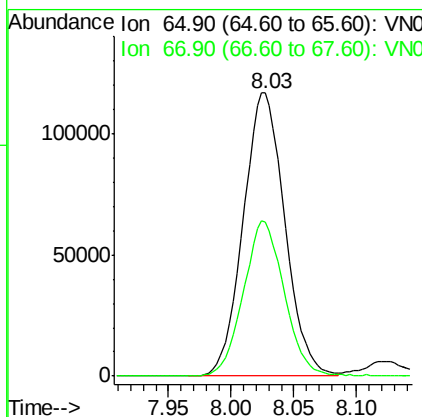
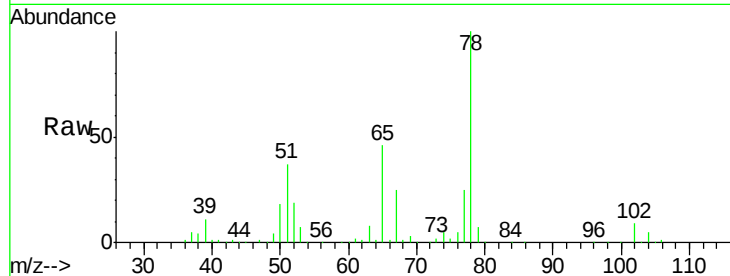
#33
 1,2-Dichloroethane-d4
 Concen: 47.826 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	270226		
67	53.7	0.0	106.8	

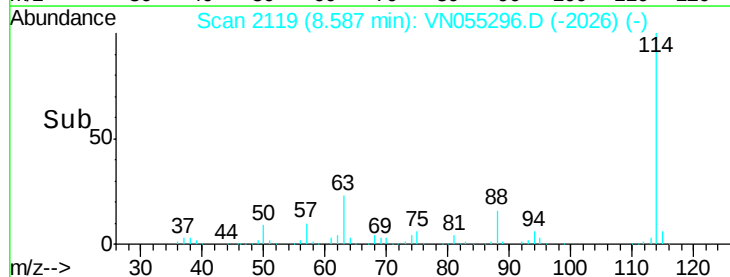
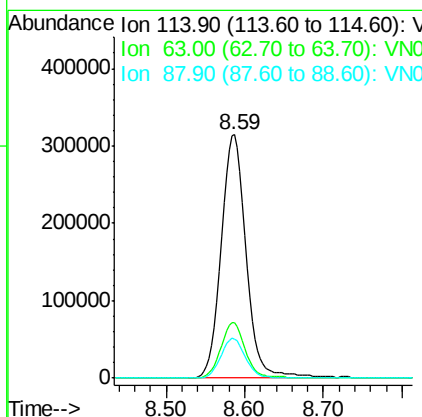
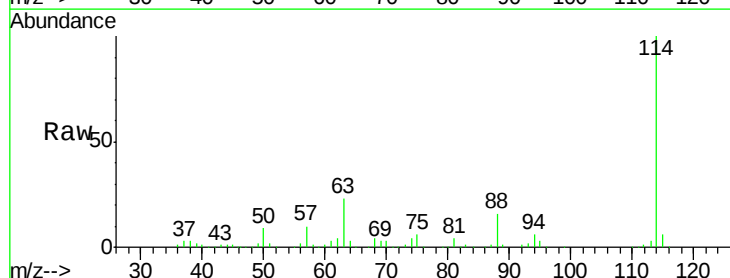
Manual Integrations
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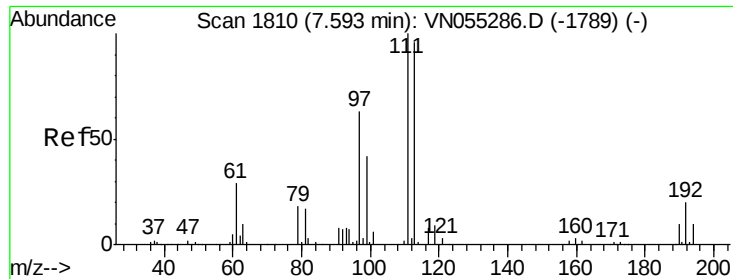
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	689248		
63	22.7	0.0	45.2	
88	16.1	0.0	31.6	





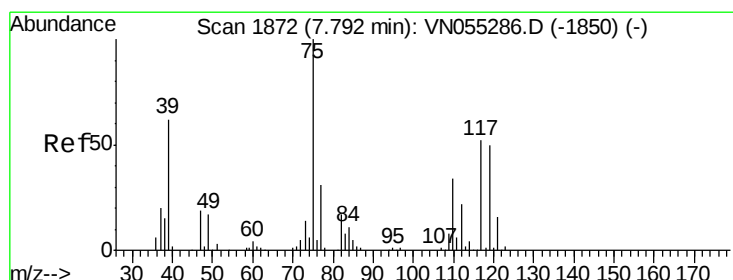
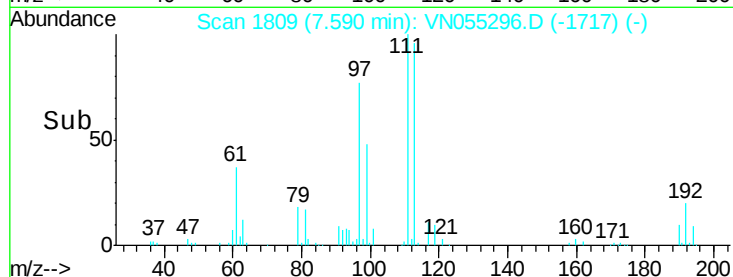
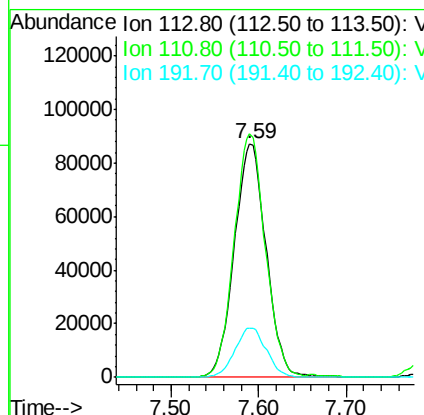
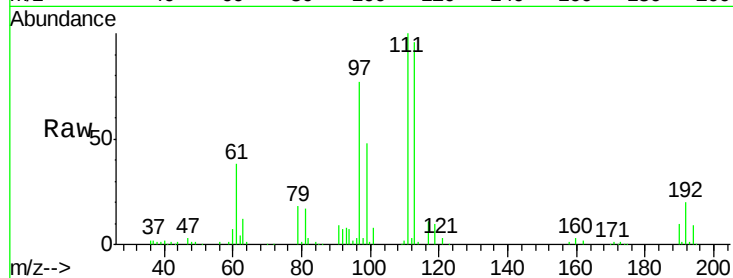
#35
 Dibromofluoromethane
 Concen: 48.830 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	220905		
111	101.8	82.3	123.5	
192	20.7	17.0	25.6	

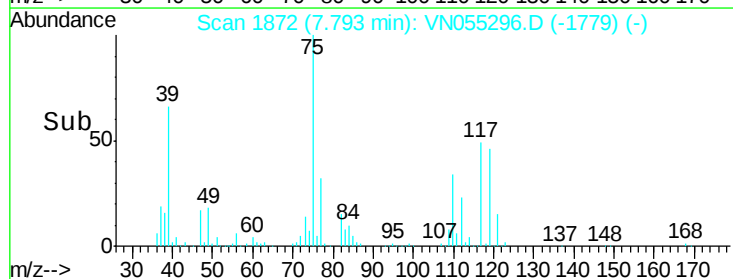
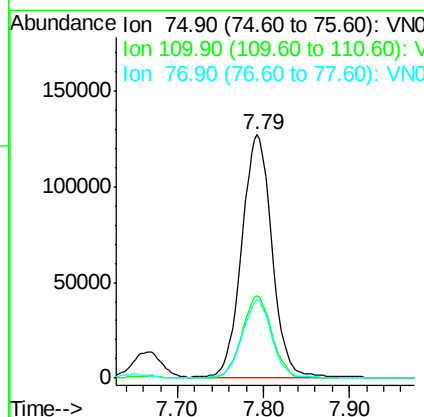
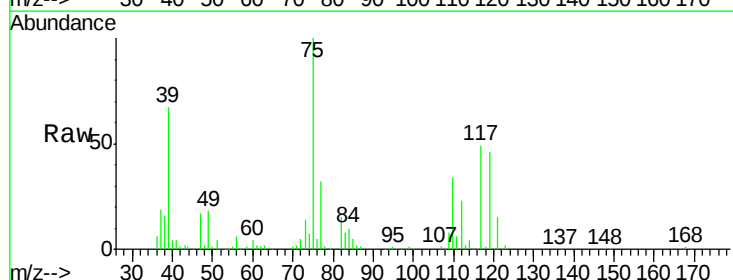
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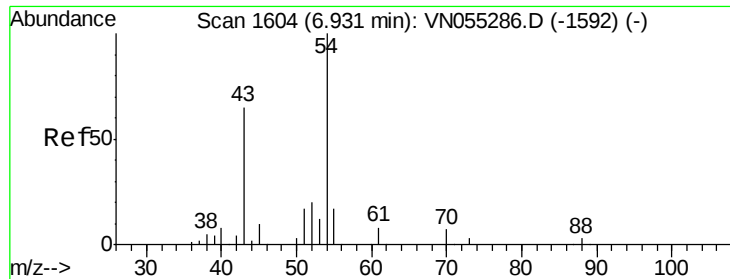
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#36
 1,1-Dichloropropene
 Concen: 46.681 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	308184		
110	33.7	16.8	50.4	
77	32.3	25.0	37.6	





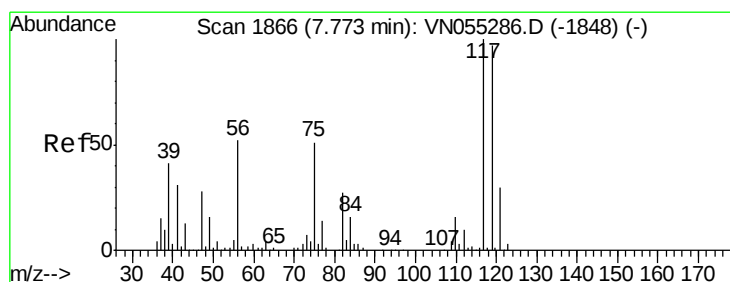
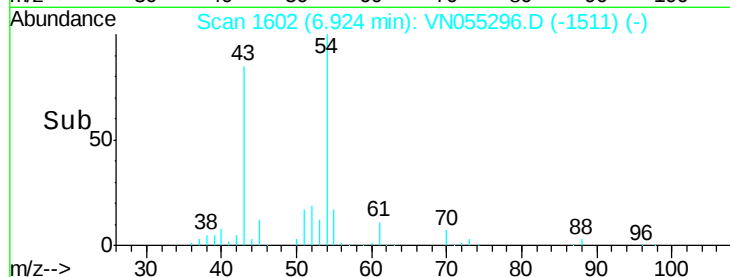
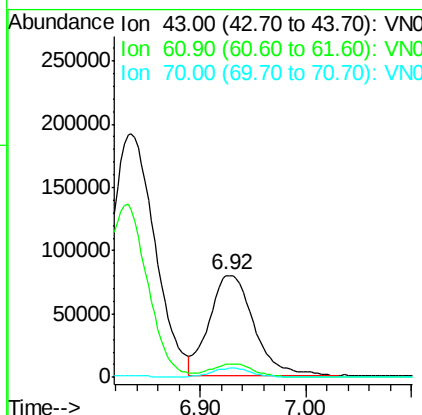
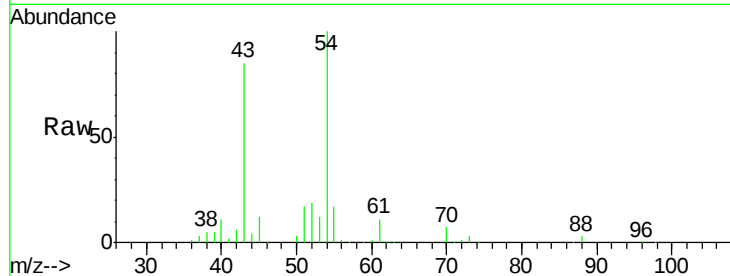
#37
Ethyl Acetate
Concen: 46.129 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.4	15.6
70	8.3	6.6	10.0

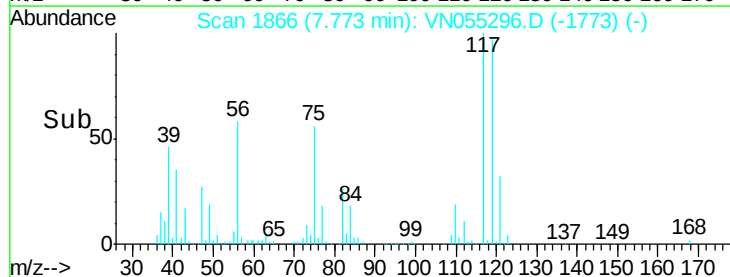
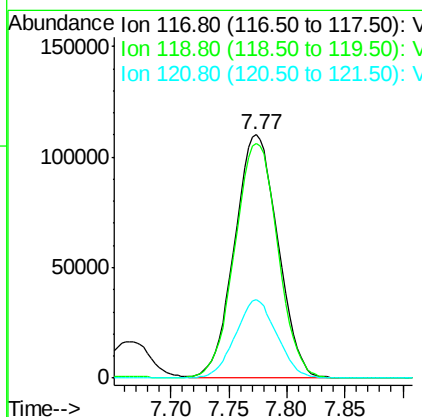
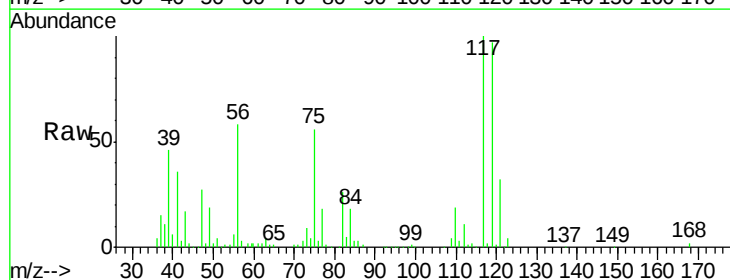
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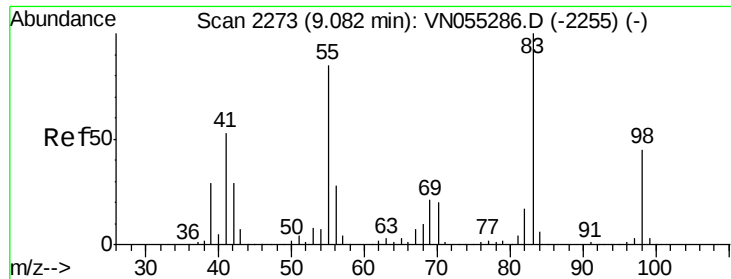
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#38
Carbon Tetrachloride
Concen: 44.811 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.0	115.6
121	32.2	23.8	35.8





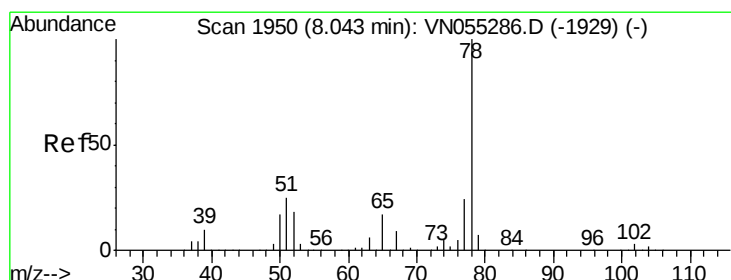
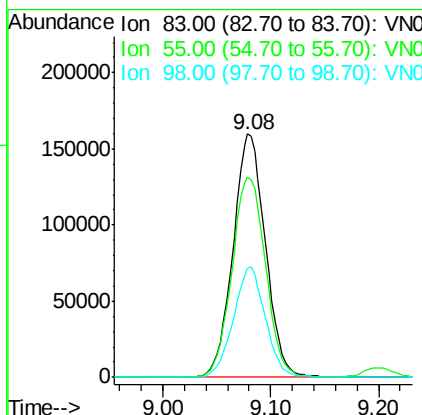
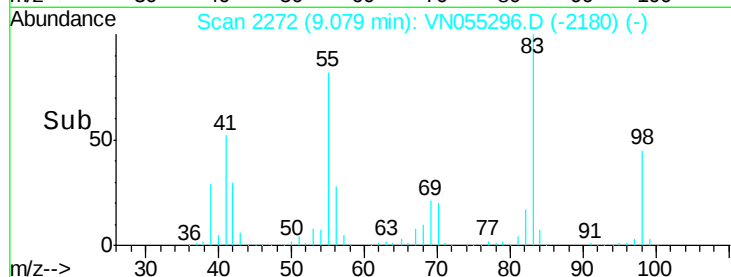
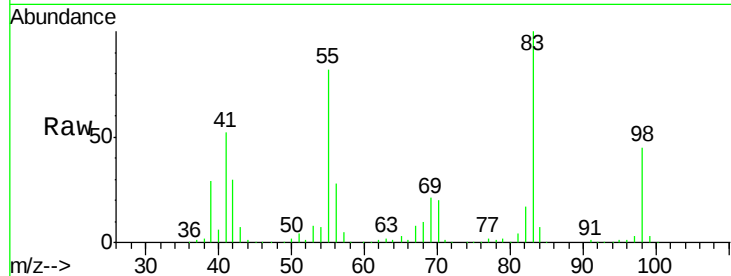
#39
Methvlcvclohexane
Concen: 47.561 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.2	67.8	101.6
98	45.0	36.2	54.4

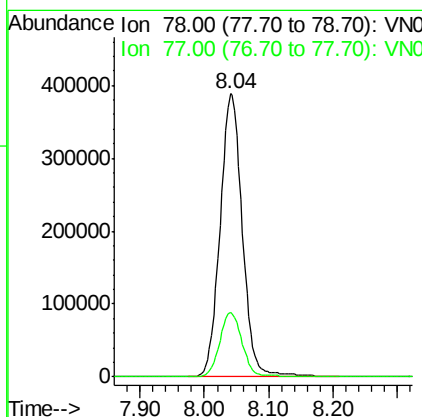
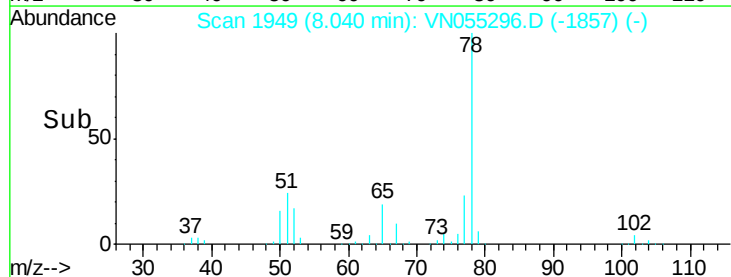
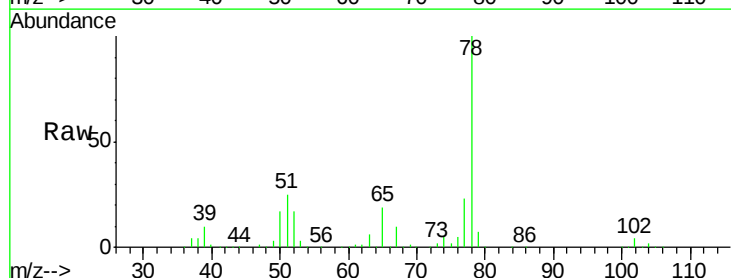
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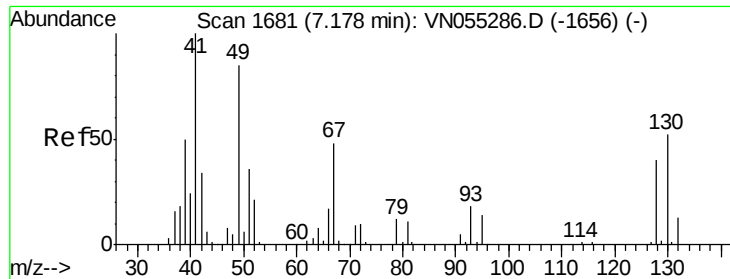
MMDadoda
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#40
Benzene
Concen: 47.880 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.6





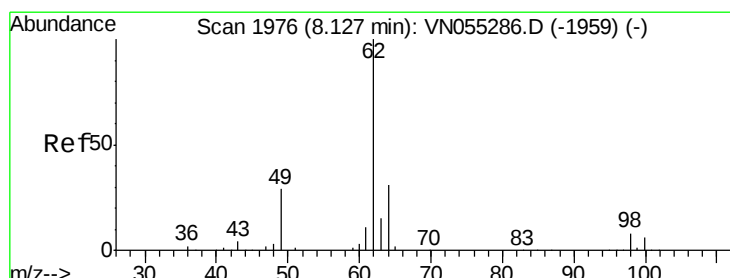
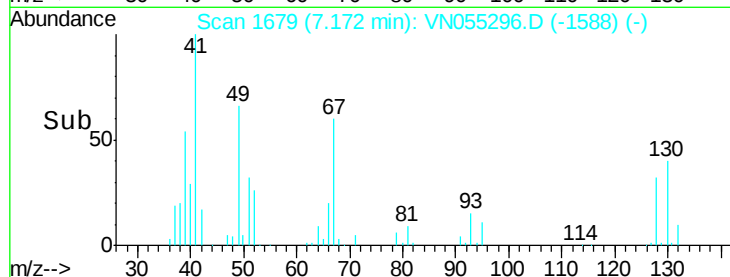
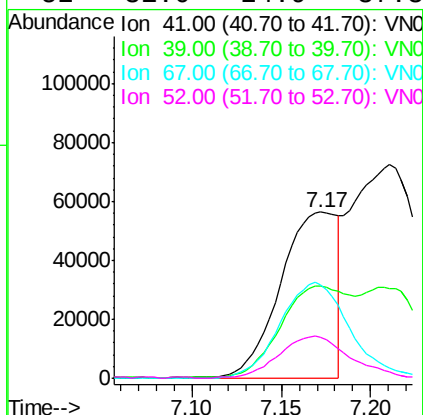
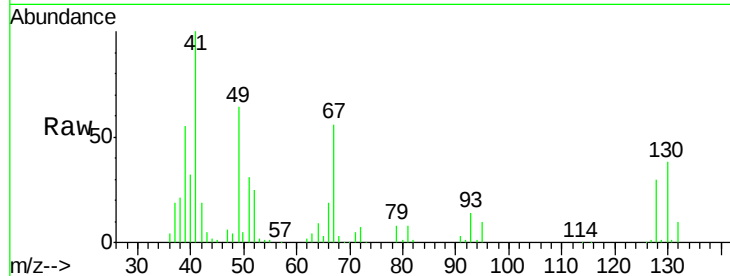
#41
Methacrylonitrile
Concen: 45.344 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	123980
Ion Ratio	Lower	Upper	
41	100		
39	67.3	48.5	72.7
67	71.5	54.9	82.3
52	31.0	24.9	37.3

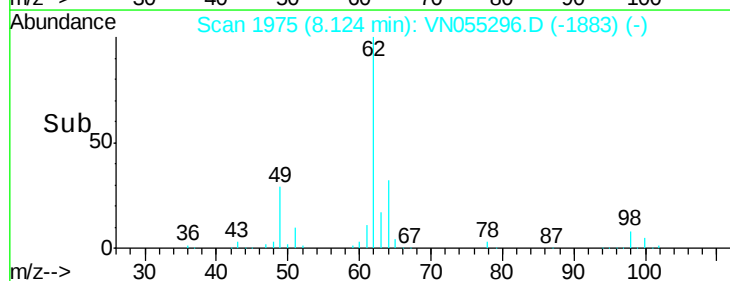
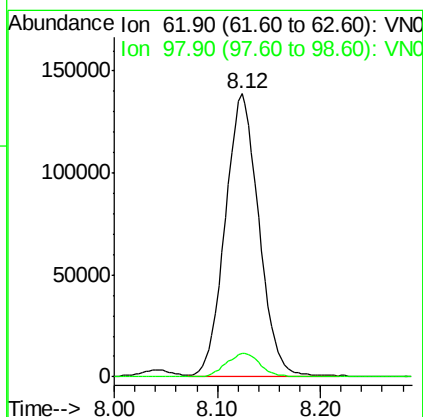
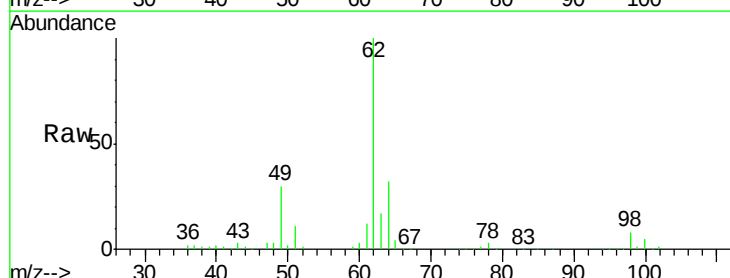
Manual Integrations
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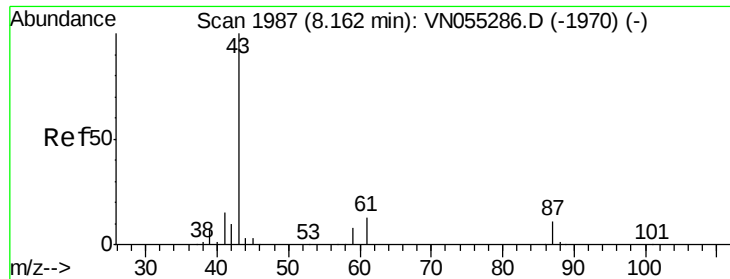
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#42
1,2-Dichloroethane
Concen: 45.590 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion	62	Resp	314253
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	16.4





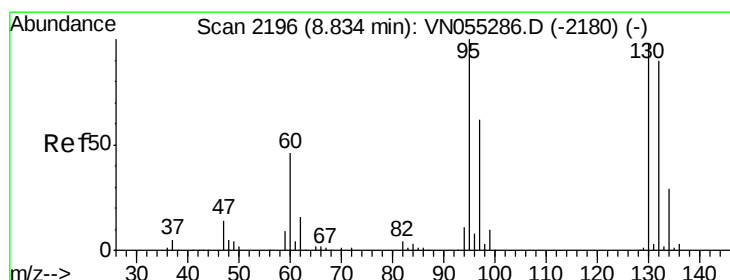
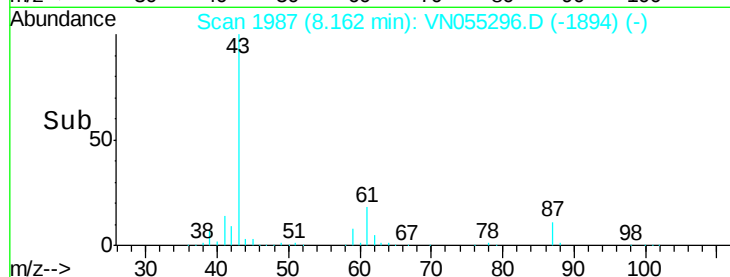
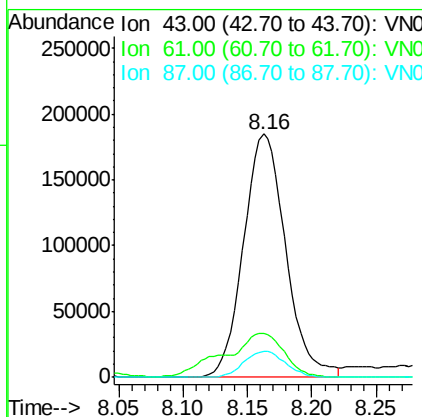
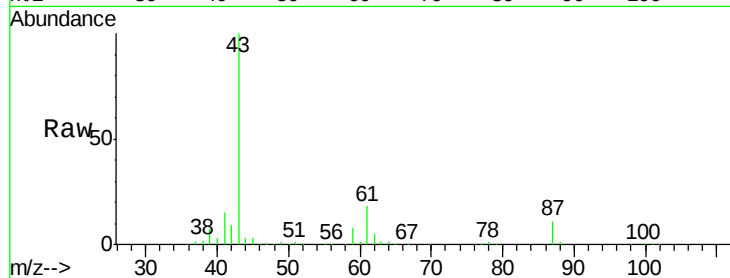
#43
Isopropyl Acetate
Concen: 51.725 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	420595
Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.8	31.2
87	10.6	8.5	12.7

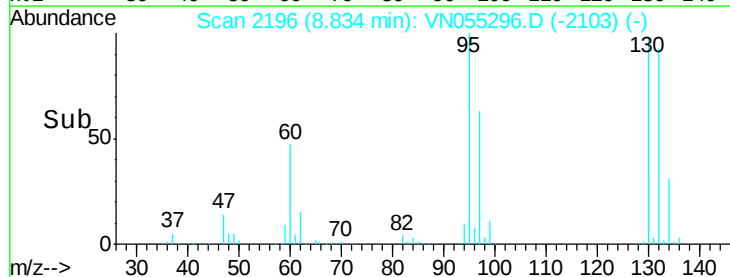
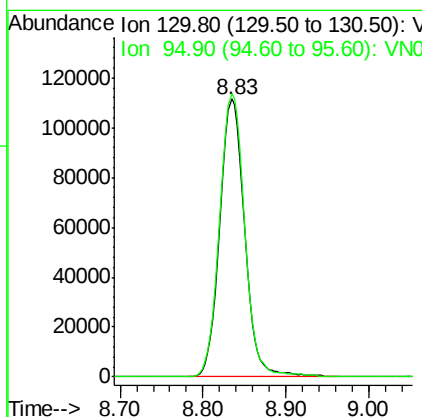
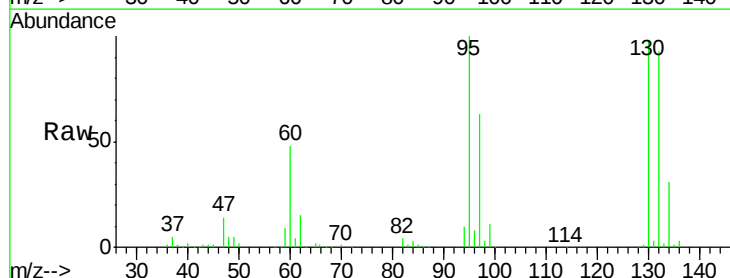
Manual Integrations
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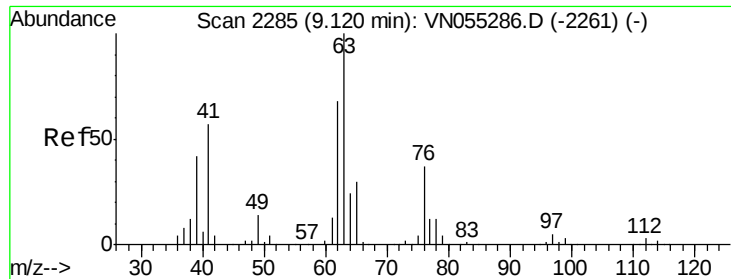
MMDadoda
4/30/2019 11:59:26 AM



#44
Trichloroethene
Concen: 46.791 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion	130	Resp	232152
Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	203.4





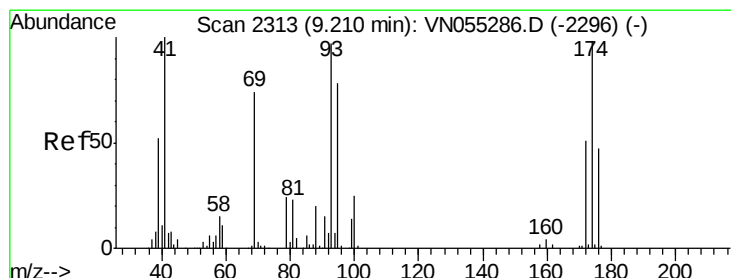
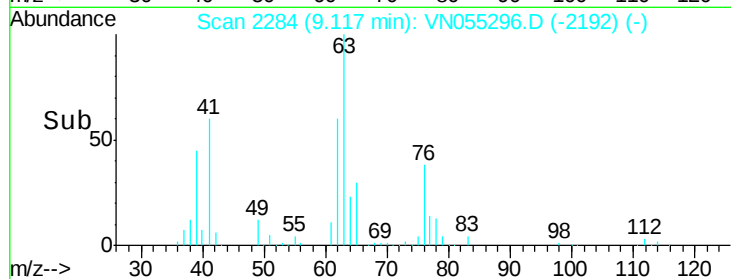
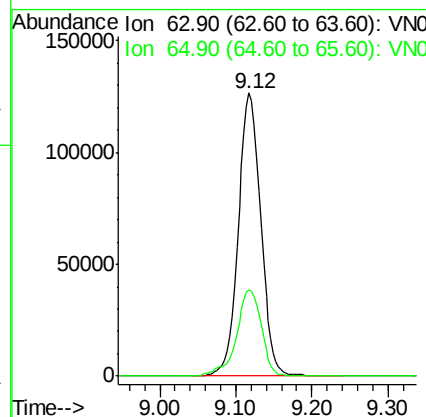
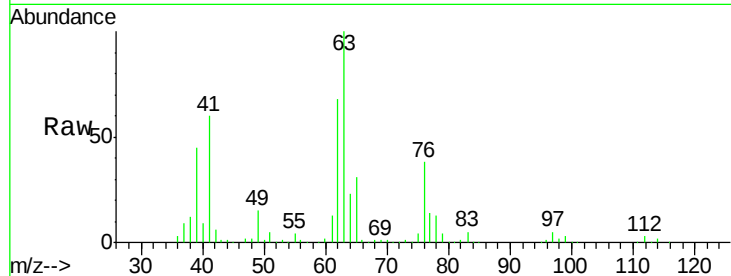
#45
 1,2-Dichloropropane
 Concen: 46.355 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	23.9	35.9

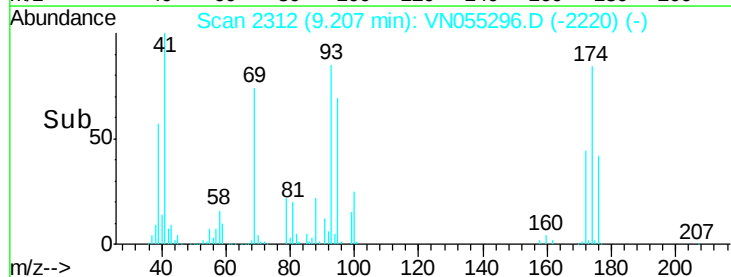
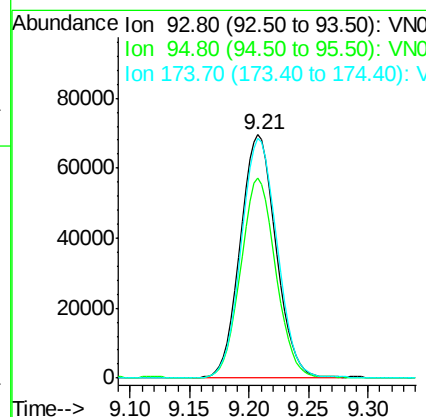
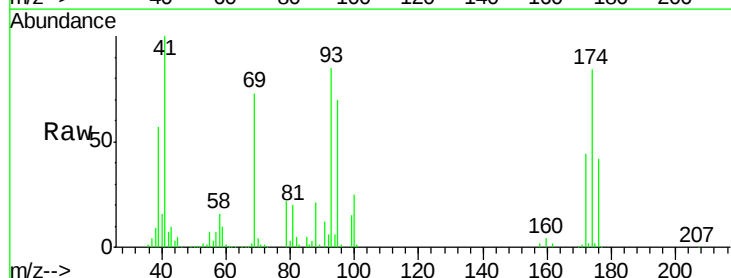
Manual Integrations
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MMDadoda
 4/30/2019 11:59:26 AM



#46
 Dibromomethane
 Concen: 47.276 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.0	65.7	98.5
174	99.0	81.5	122.3





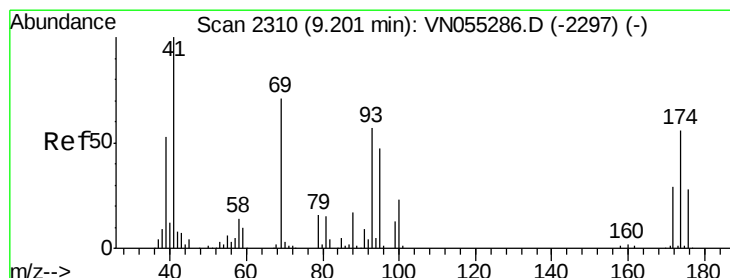
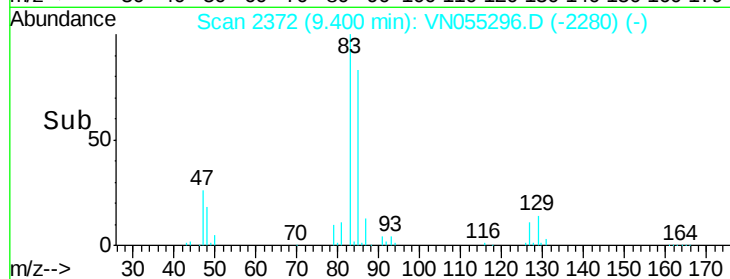
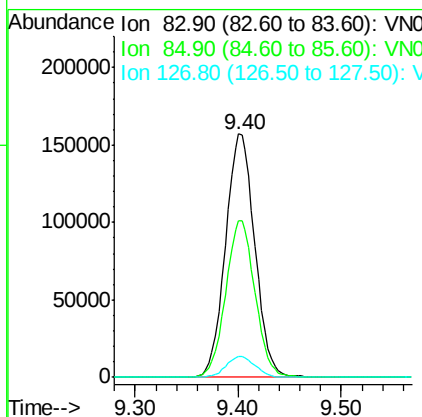
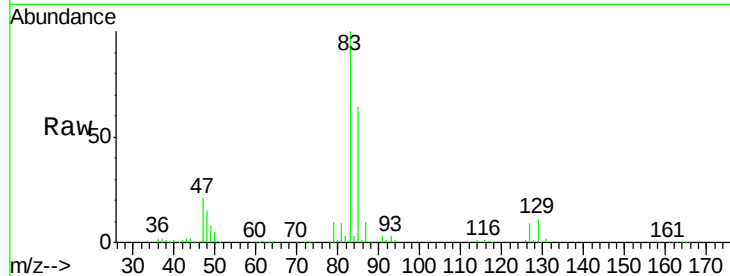
#47
Bromodichloromethane
Concen: 47.248 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	310995
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	50.1	75.1
127	8.7	6.7	10.1

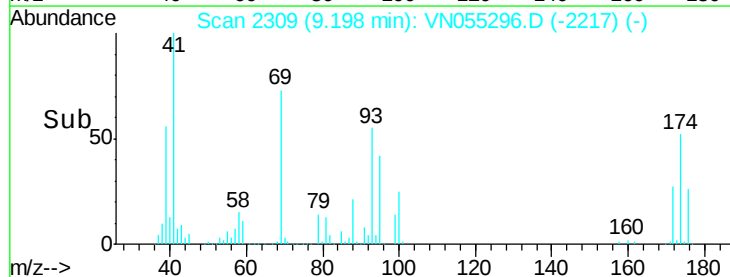
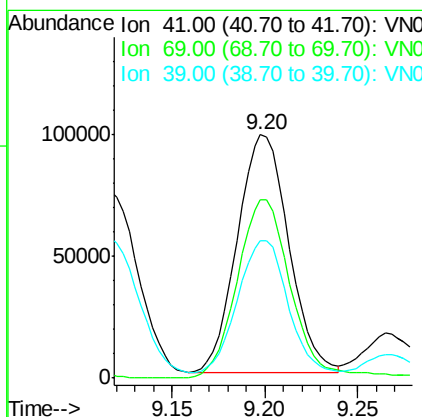
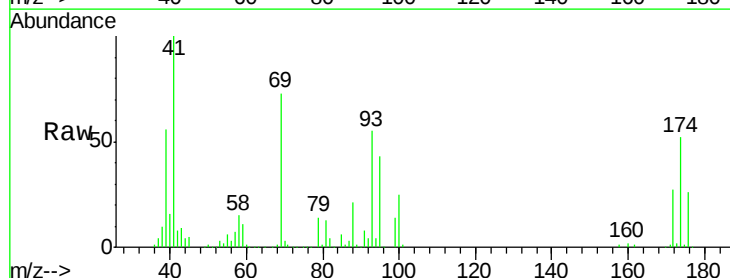
Manual Integrations
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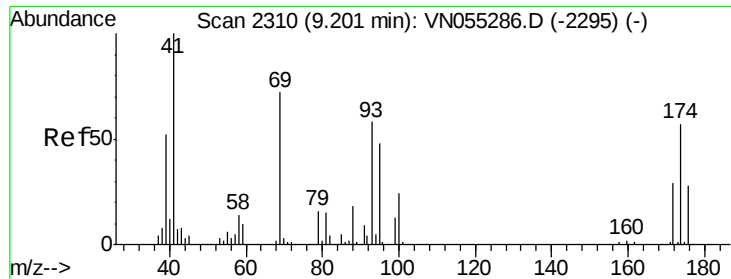
MMDadoda
4/30/2019 11:59:26 AM



#48
Methyl methacrylate
Concen: 47.304 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion	41	Resp	189094
Ion Ratio	100	Lower	Upper
41	100		
69	77.7	58.6	87.8
39	57.0	43.8	65.6





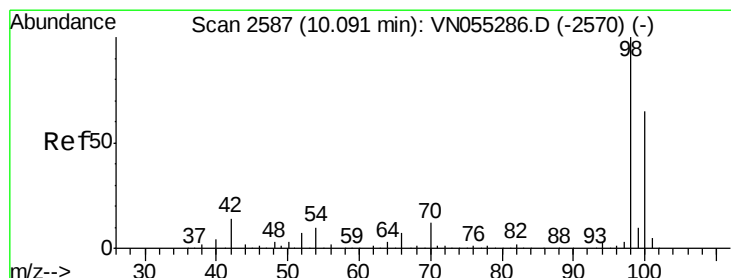
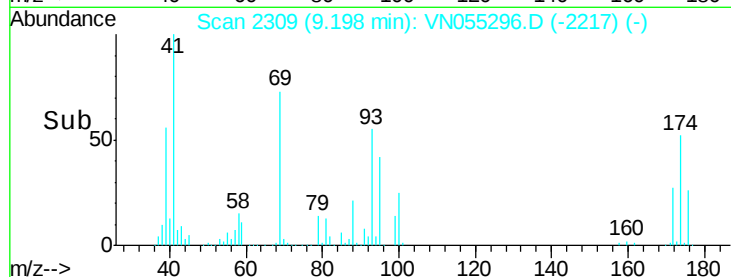
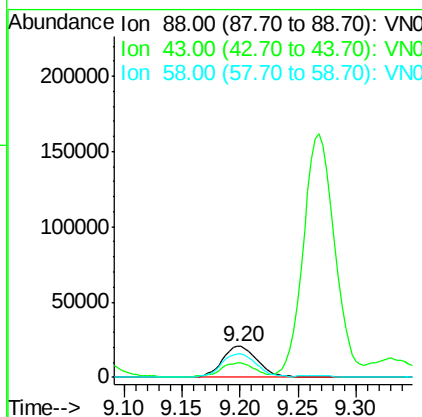
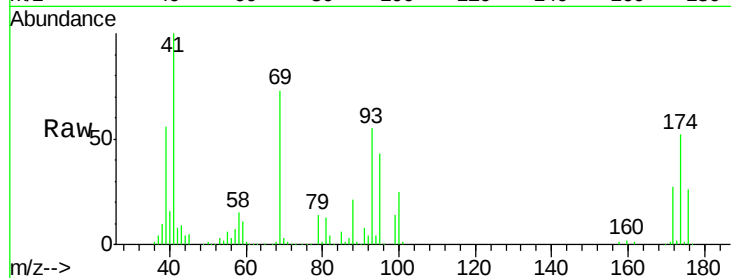
#49
1,4-Dioxane
Concen: 1063.771 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	43958
Ion	Ratio	Lower	Upper
88	100		
43	40.8	33.3	49.9
58	74.6	62.7	94.1

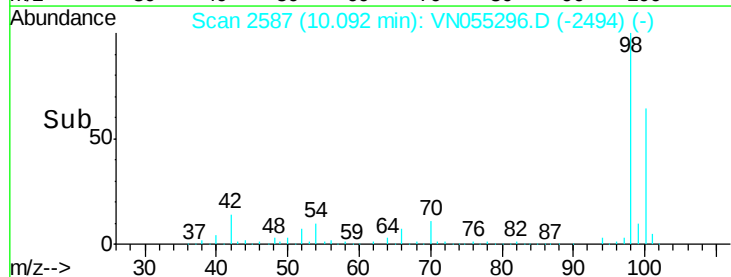
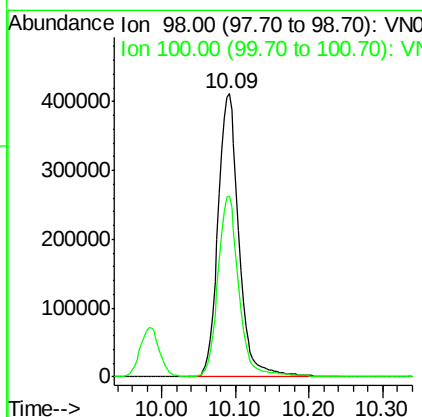
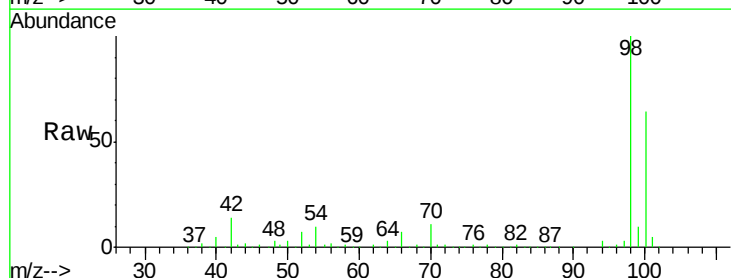
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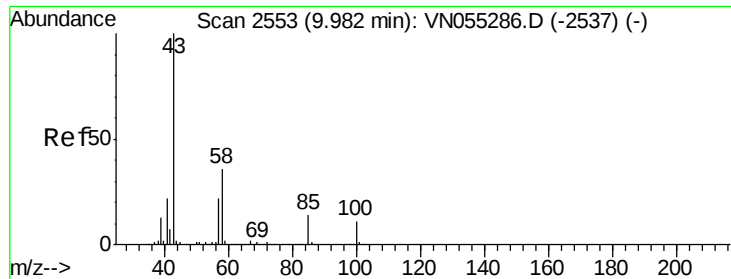
MMDadoda
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#50
Toluene-d8
Concen: 49.638 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion	98	Resp	810874
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 255.333 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1168948

Ion Ratio Lower Upper

43 100

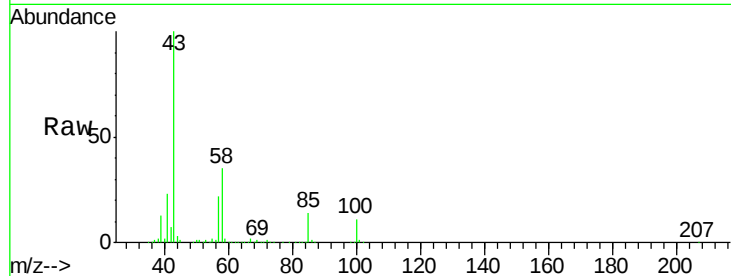
58 35.2 28.5 42.7

Manual Integrations

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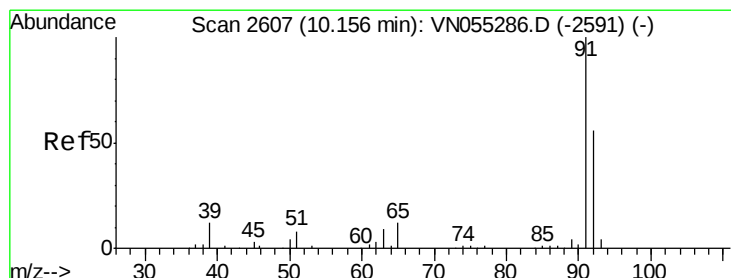
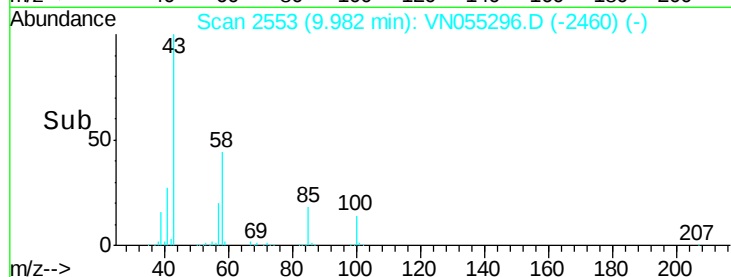
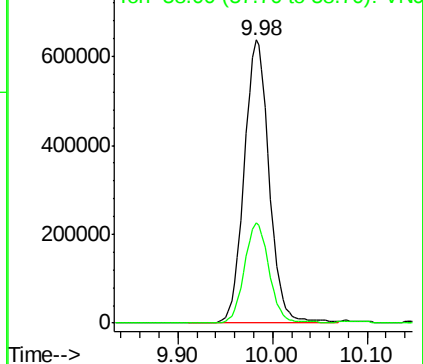
MMDadoda

4/30/2019 11:59:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.613 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055296.D

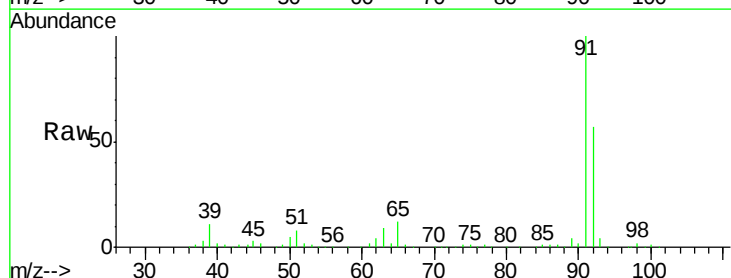
Acq: 29 Apr 2019 16:31

Tgt Ion: 92 Resp: 542855

Ion Ratio Lower Upper

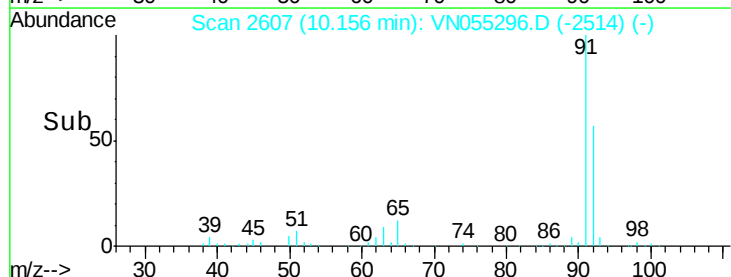
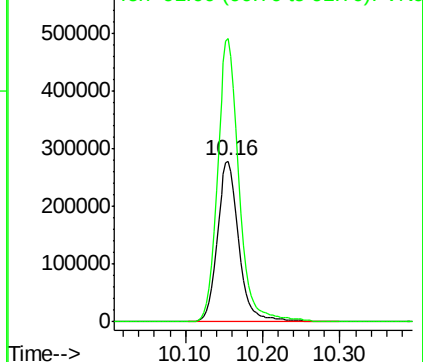
92 100

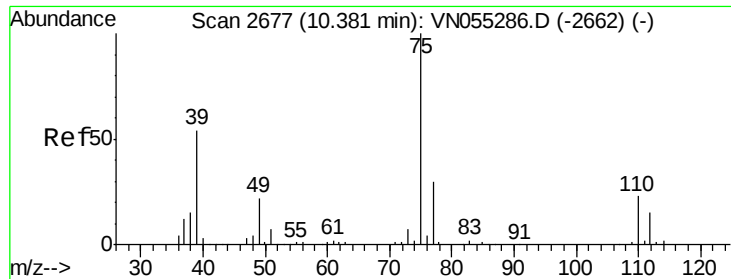
91 176.3 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





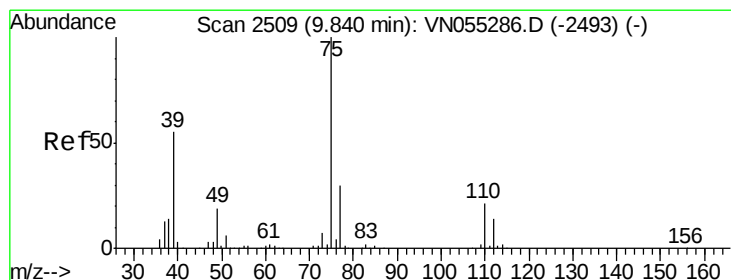
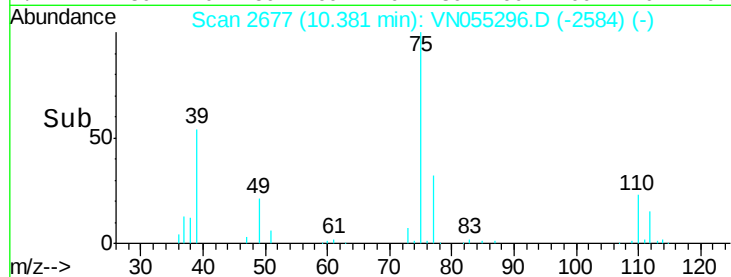
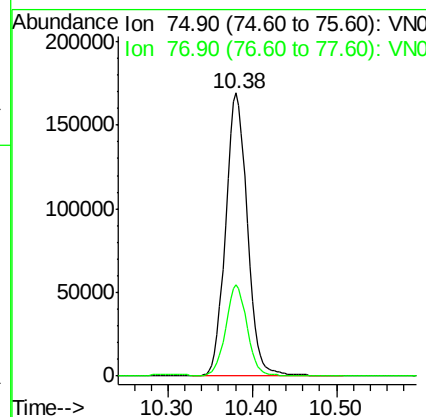
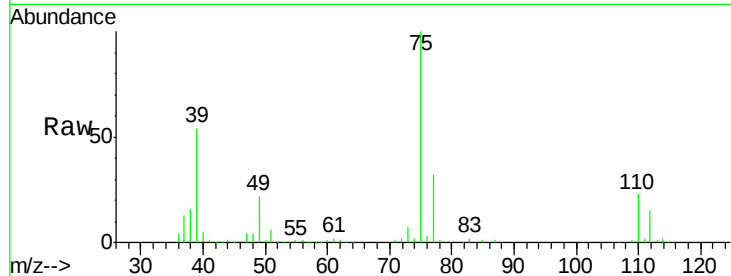
#53
t-1,3-Dichloropropene
Concen: 53.205 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 304012
Ion Ratio Lower Upper
75 100
77 32.2 24.4 36.6

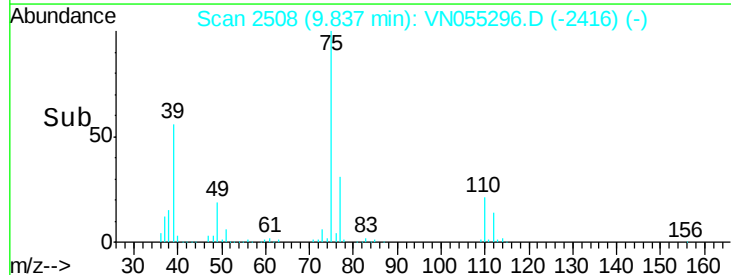
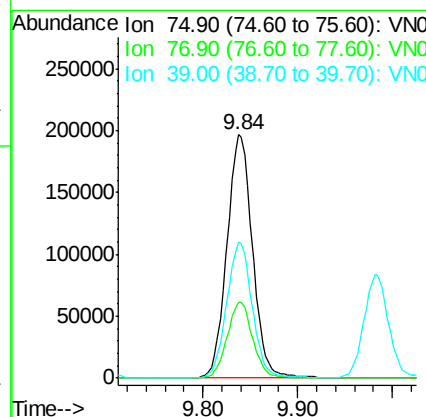
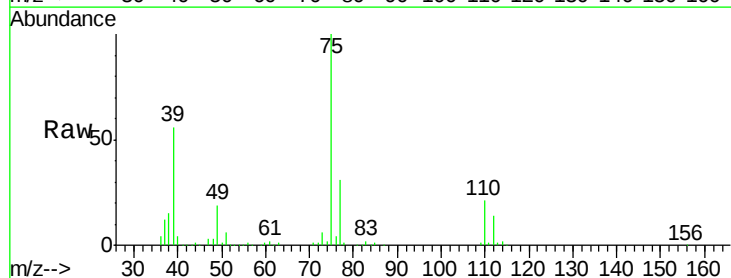
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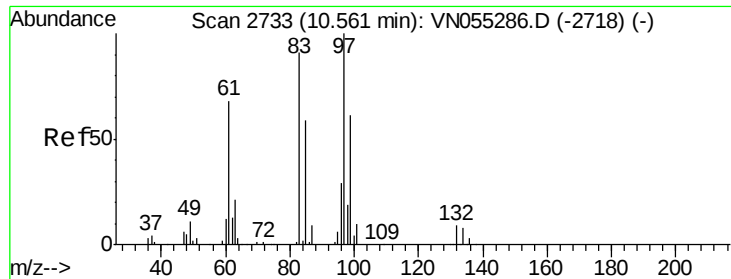
MMDadoda
4/30/2019 11:59:26 AM



#54
cis-1,3-Dichloropropene
Concen: 51.937 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion: 75 Resp: 370011
Ion Ratio Lower Upper
75 100
77 31.2 24.2 36.2
39 55.7 44.2 66.2





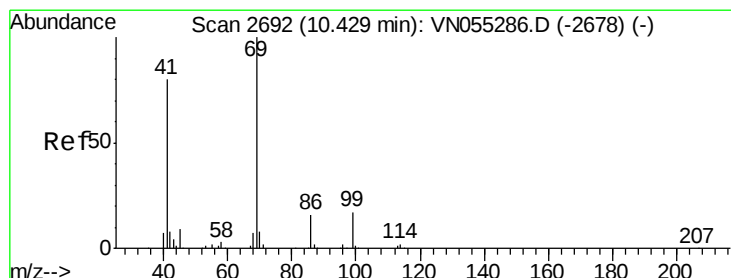
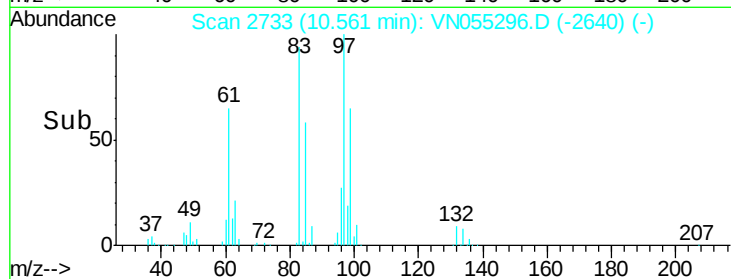
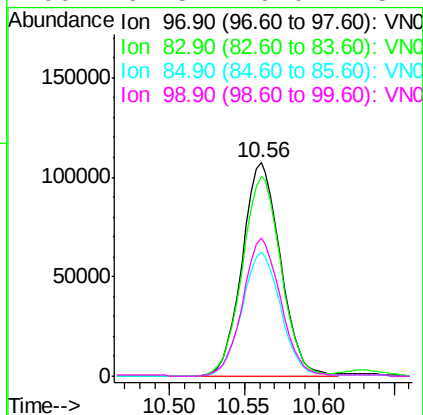
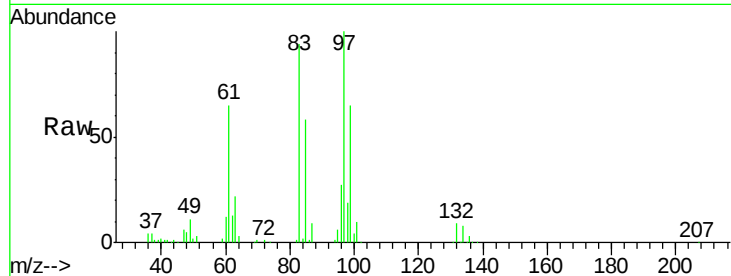
#55
 1,1,2-Trichloroethane
 Concen: 46.362 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	192249
Ion	Ratio	Lower	Upper
97	100		
83	93.5	72.8	109.2
85	58.2	47.0	70.6
99	64.8	49.0	73.4

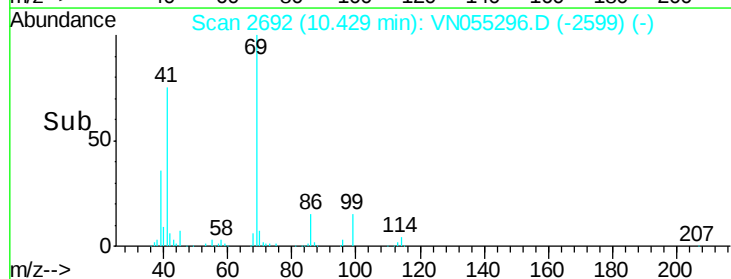
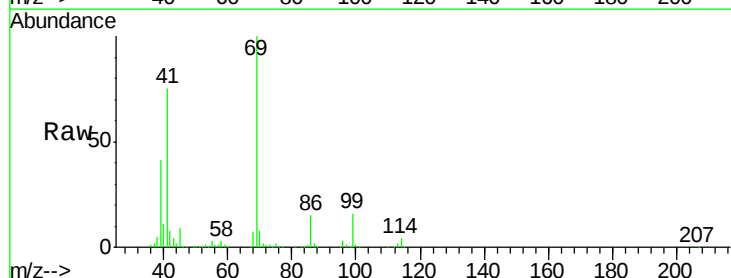
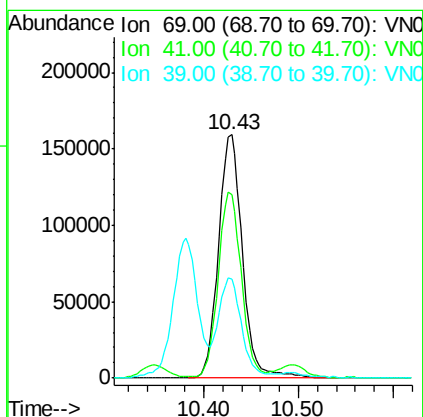
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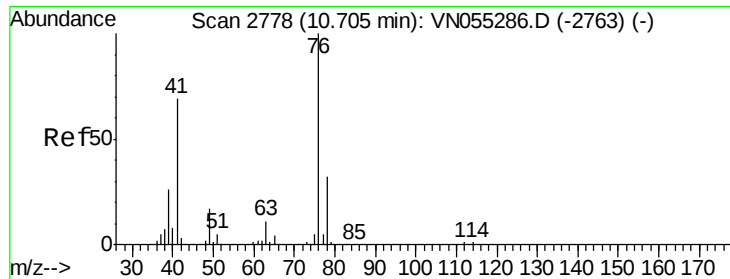
MMDadoda
 4/30/2019 11:59:26 AM



#56
 Ethyl methacrylate
 Concen: 54.840 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Tgt Ion:	69	Resp:	279896
Ion	Ratio	Lower	Upper
69	100		
41	74.0	62.7	94.1
39	39.5	32.0	48.0





#57

1,3-Dichloropropane

Concen: 48.479 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 352659

Ion Ratio Lower Upper

76 100

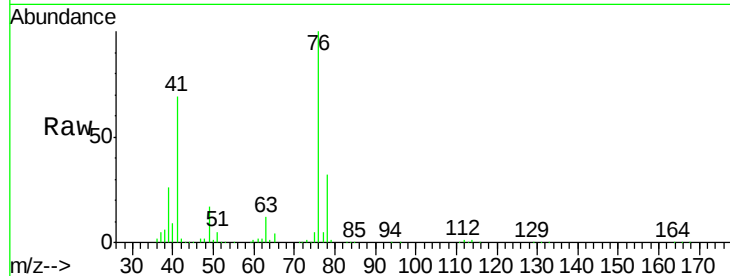
78 31.9 25.6 38.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

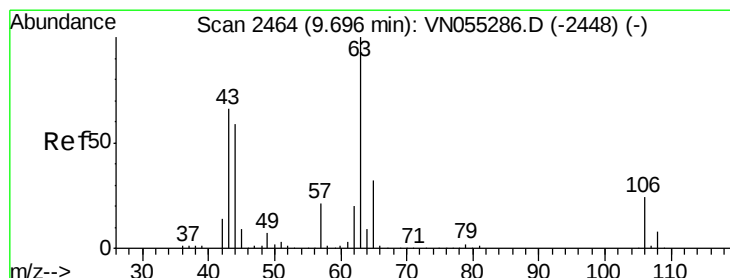
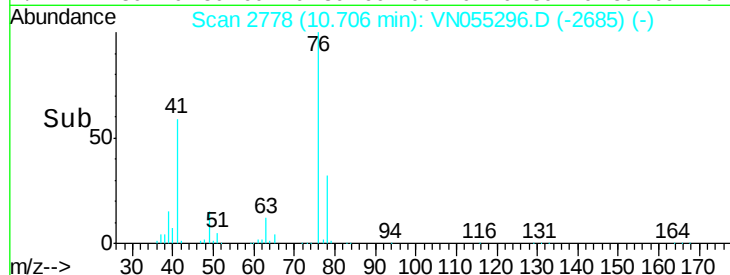
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 304.000 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055296.D

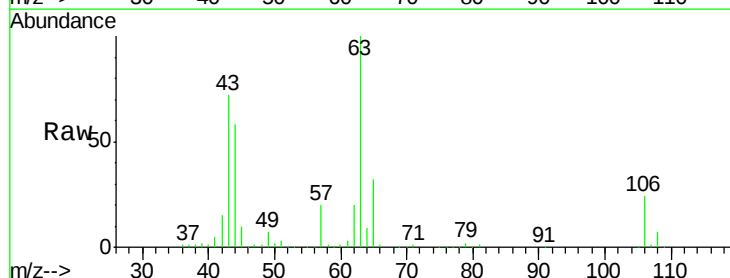
Acq: 29 Apr 2019 16:31

Tgt Ion: 63 Resp: 485999

Ion Ratio Lower Upper

63 100

106 24.0 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

300000

250000

200000

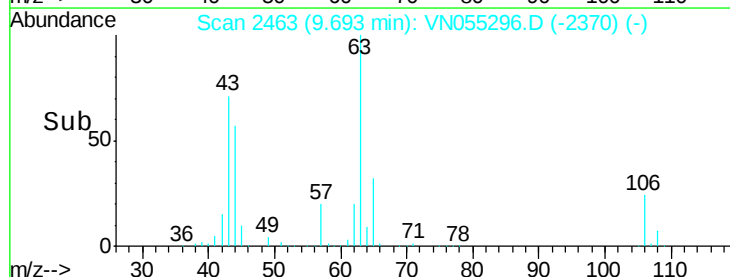
150000

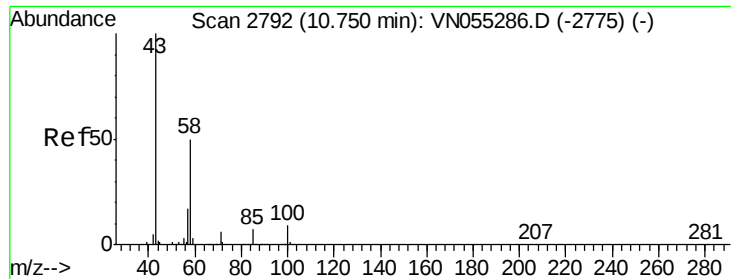
100000

50000

0

Time-->





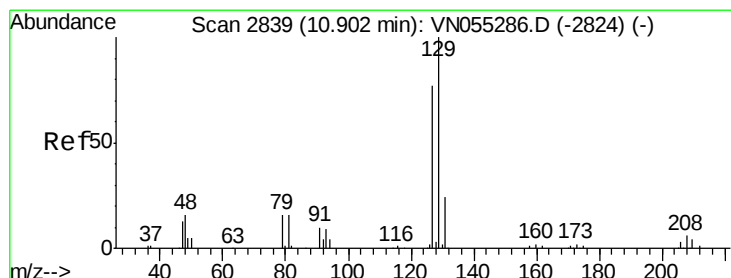
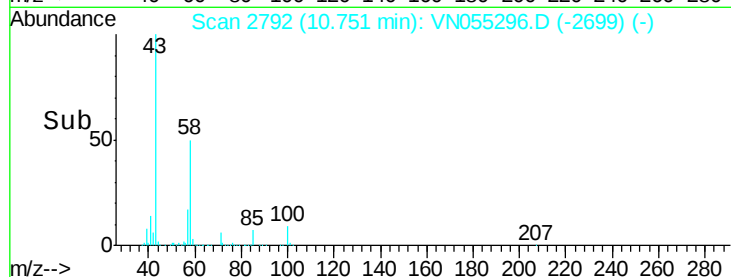
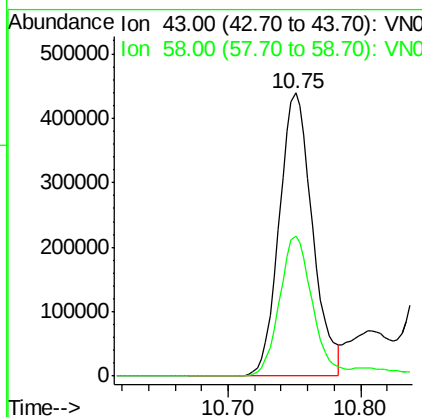
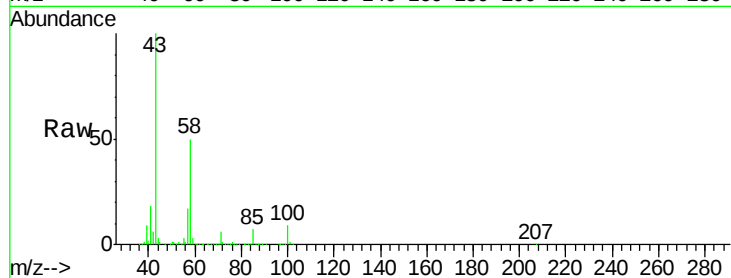
#59
2-Hexanone
Concen: 268.816 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	770015
Ion Ratio	100	Lower	Upper
43	100		
58	49.1	24.9	74.6

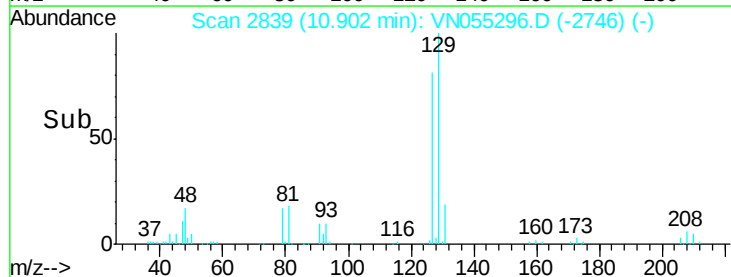
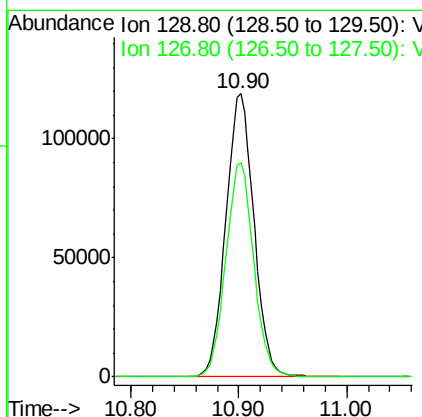
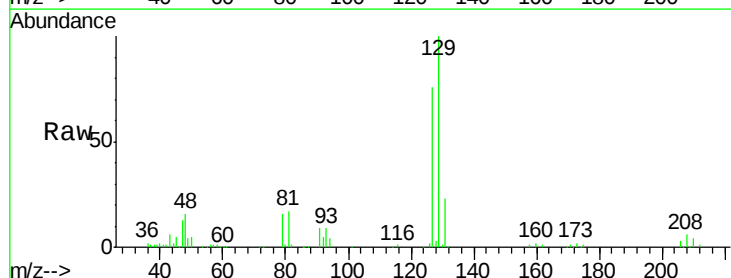
Manual Integrations
APPROVED

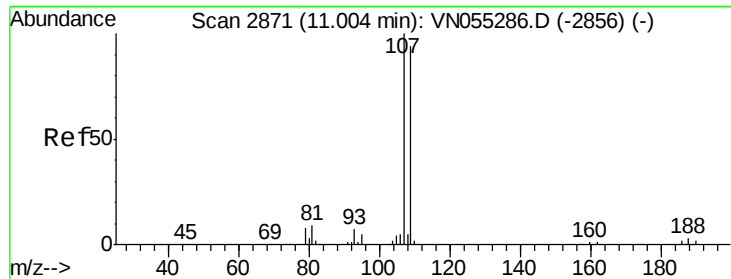
MMDadoda
4/30/2019 11:59:26 AM



#60
Dibromochloromethane
Concen: 51.005 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion	129	Resp	216162
Ion Ratio	100	Lower	Upper
129	100		
127	75.1	38.1	114.5





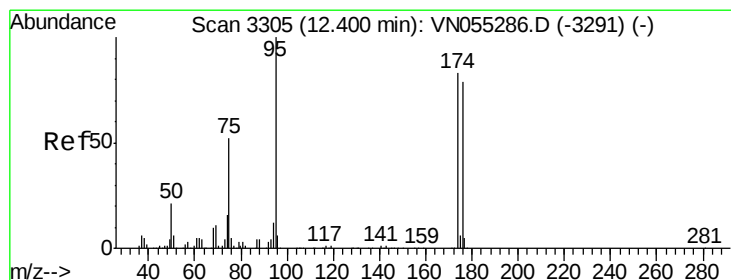
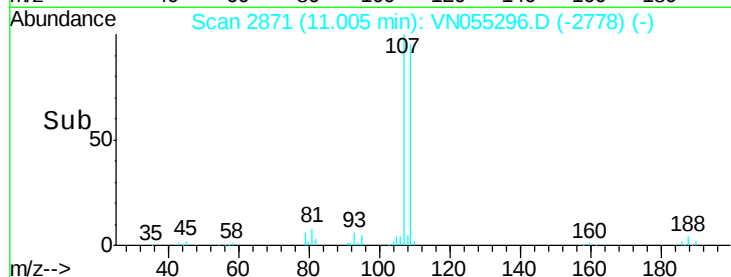
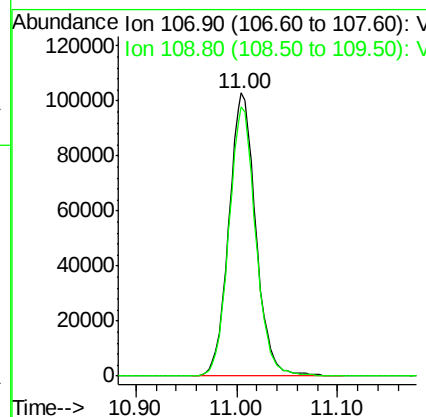
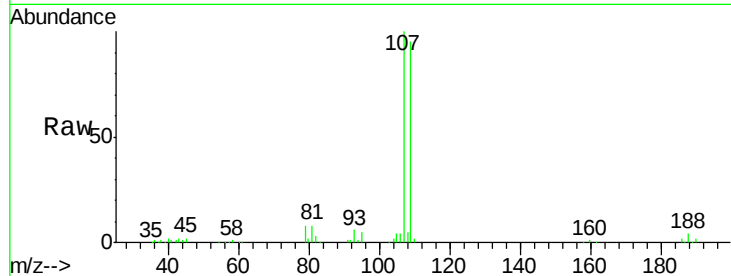
#61
 1,2-Dibromoethane
 Concen: 49.896 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.0	112.6

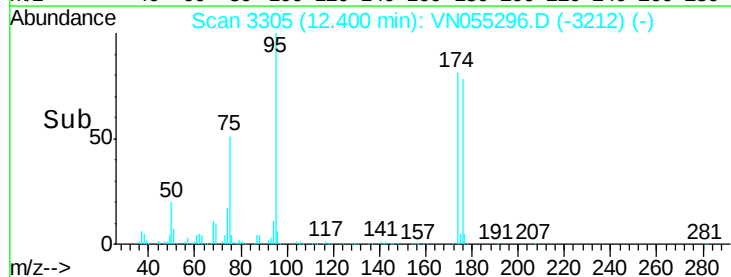
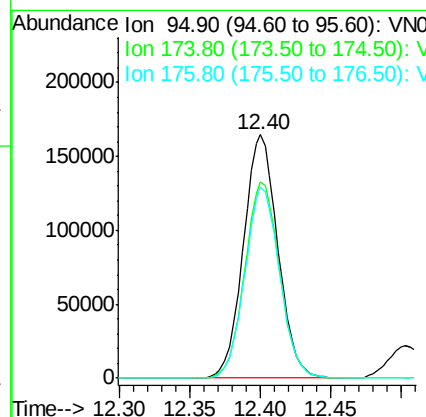
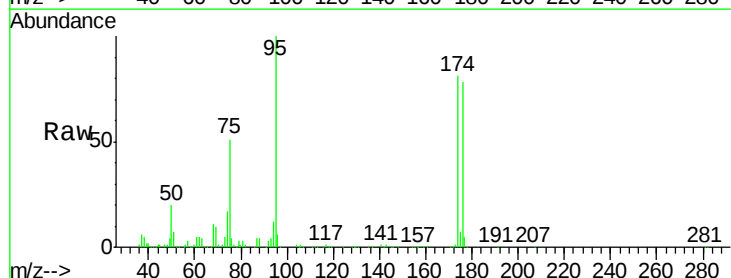
Manual Integrations
 APPROVED

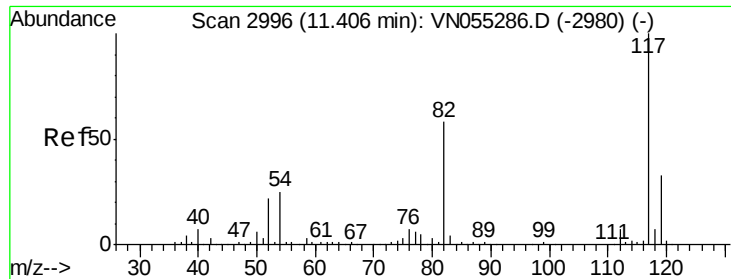
MMDadoda
 4/30/2019 11:59:26 AM



#62
 4-Bromofluorobenzene
 Concen: 55.107 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	166.6
176	79.3	0.0	157.8





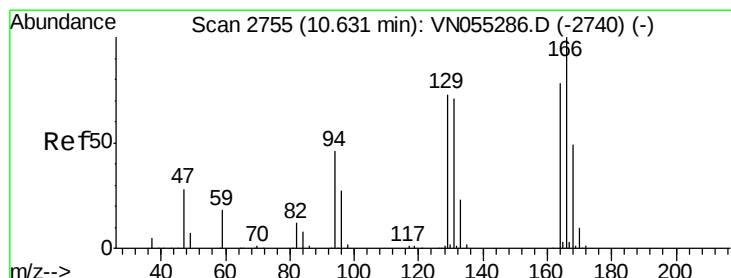
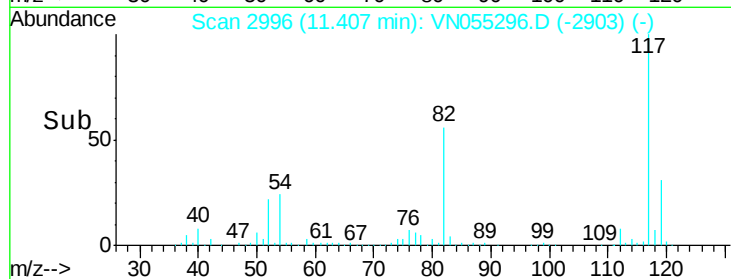
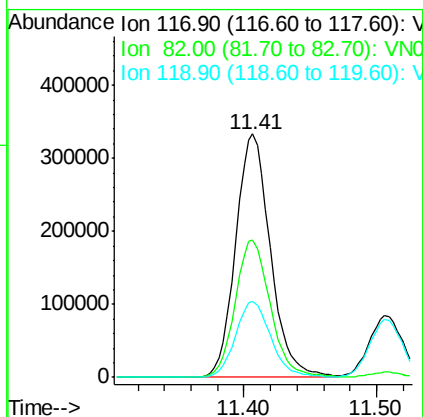
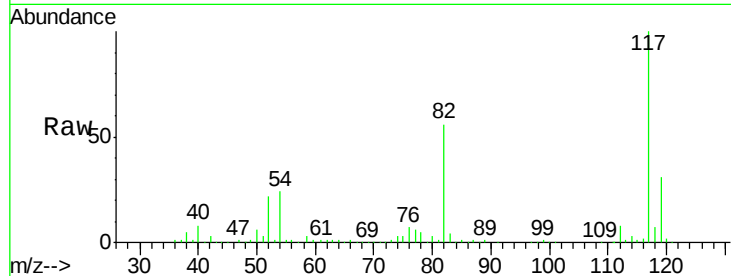
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.2	69.4
119	31.2	26.6	40.0

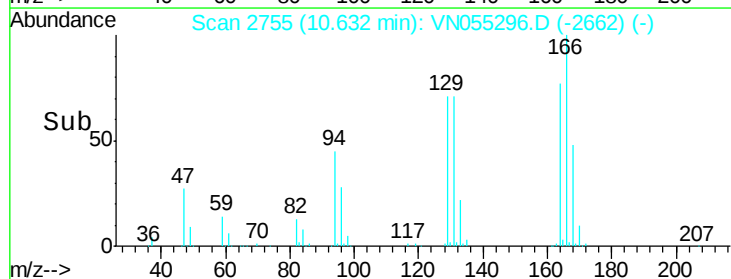
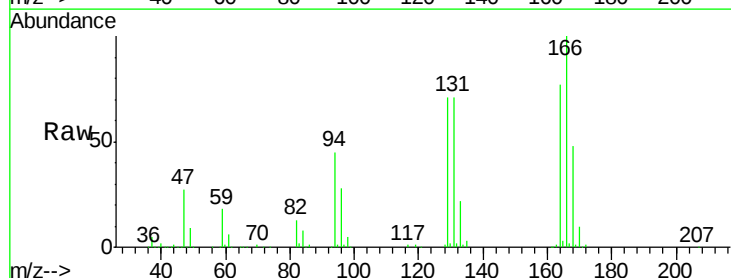
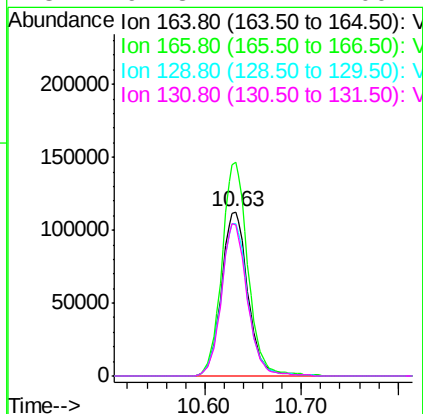
Manual Integrations
APPROVED

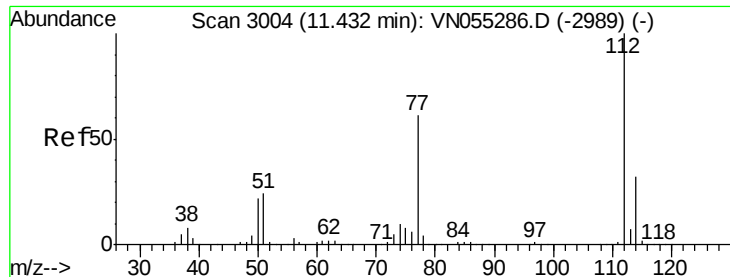
MMDadoda
4/30/2019 11:59:26 AM



#64
Tetrachloroethene
Concen: 42.832 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	102.3	153.5
129	92.7	75.0	112.6
131	92.3	72.7	109.1





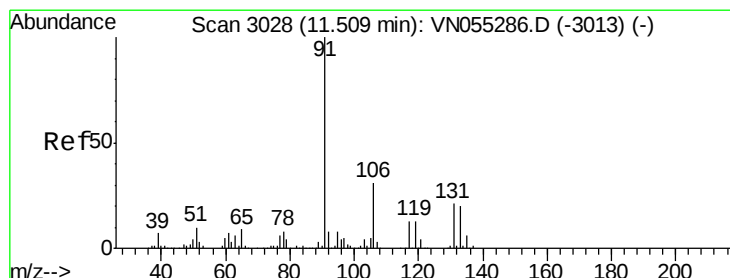
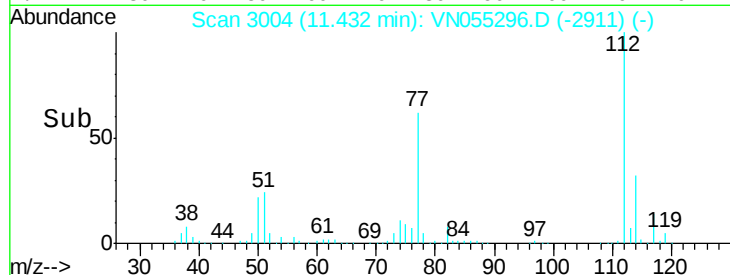
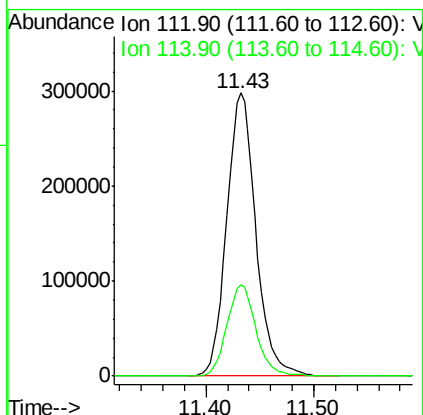
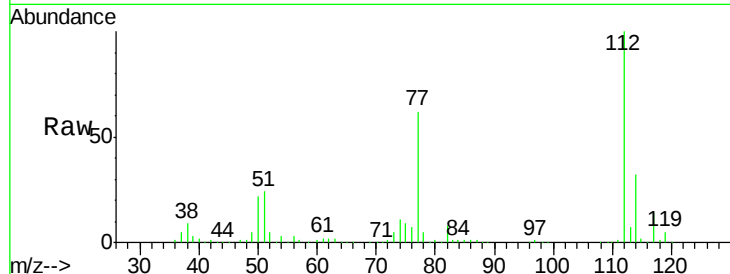
#65
Chlorobenzene
Concen: 47.099 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 559480
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9

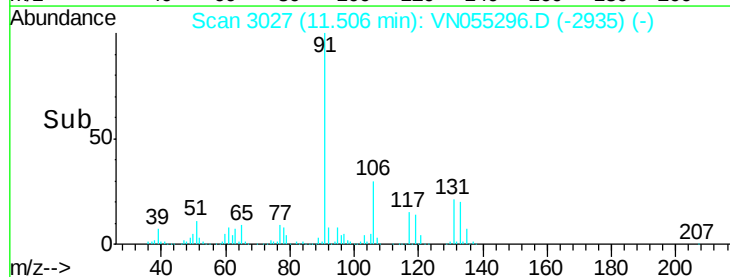
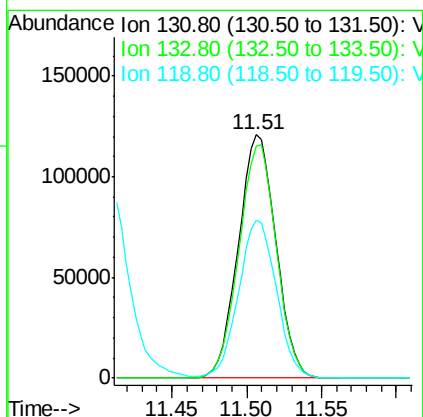
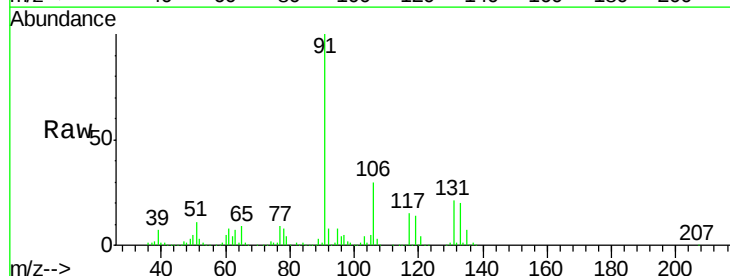
Manual Integrations
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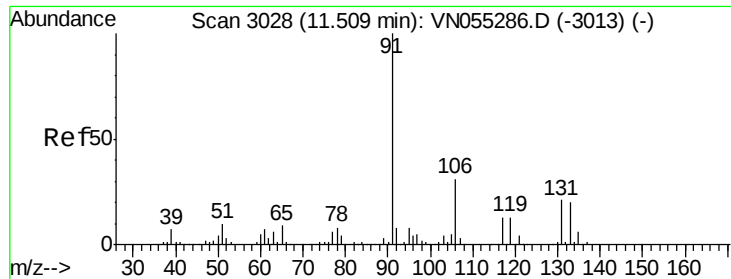
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#66
1,1,1,2-Tetrachloroethane
Concen: 45.511 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion:131 Resp: 211684
Ion Ratio Lower Upper
131 100
133 95.7 47.5 142.6
119 65.1 32.7 98.1





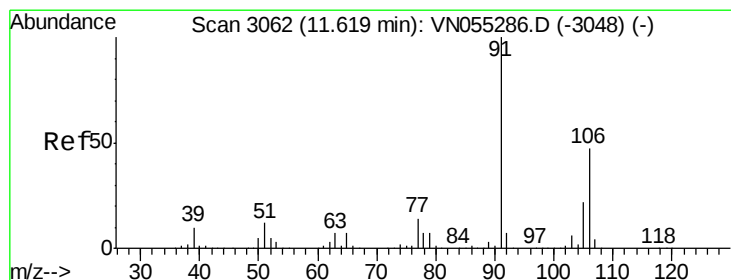
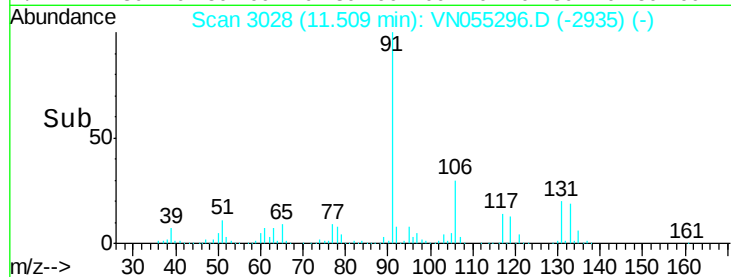
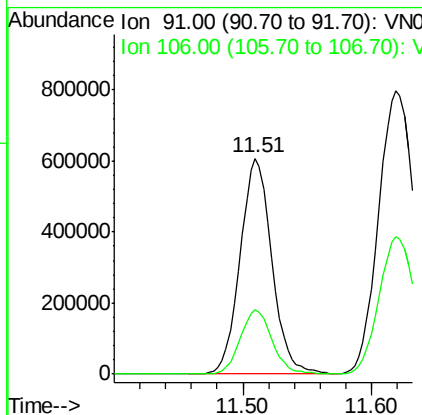
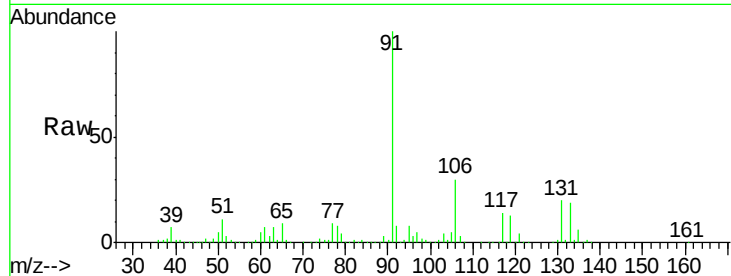
#67
Ethyl Benzene
Concen: 48.579 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1042042
Ion Ratio Lower Upper
91 100
106 29.9 24.6 36.8

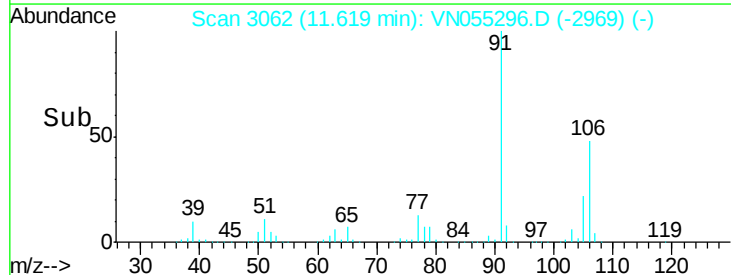
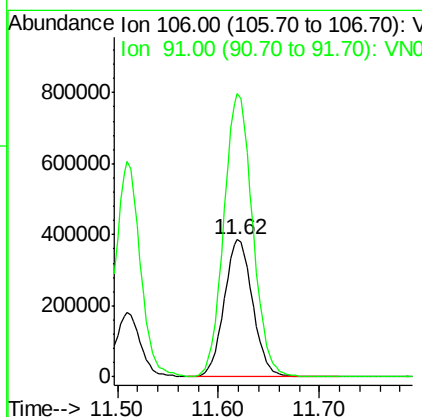
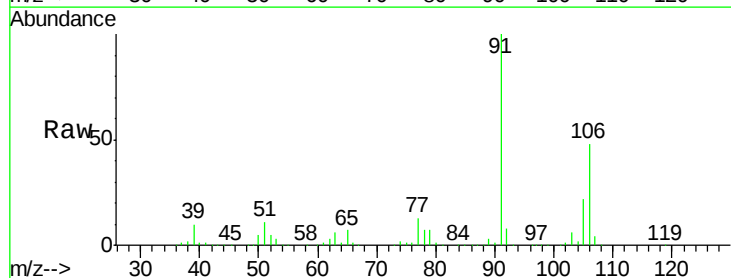
Manual Integrations
APPROVED

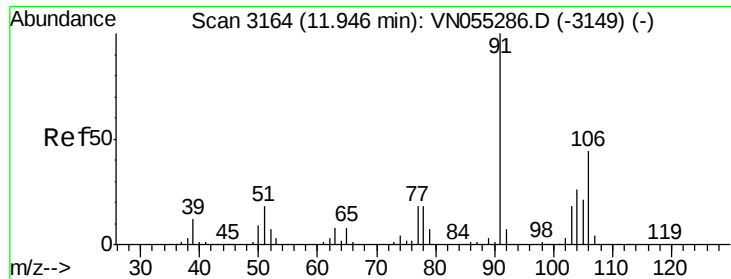
MMDadoda
4/30/2019 11:59:26 AM



#68
m/p-Xylenes
Concen: 99.224 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion: 106 Resp: 759717
Ion Ratio Lower Upper
106 100
91 208.6 169.5 254.3





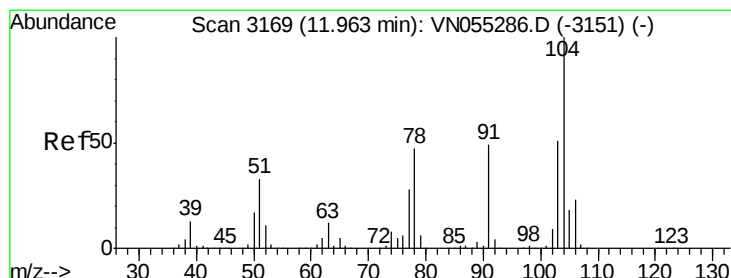
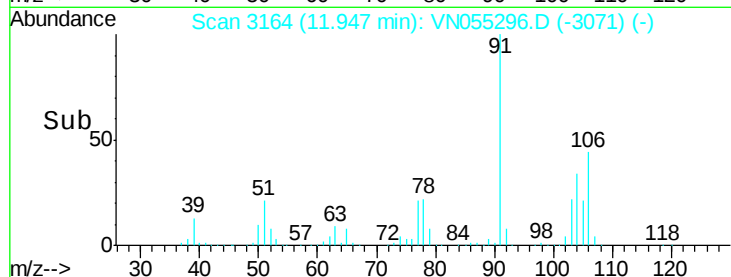
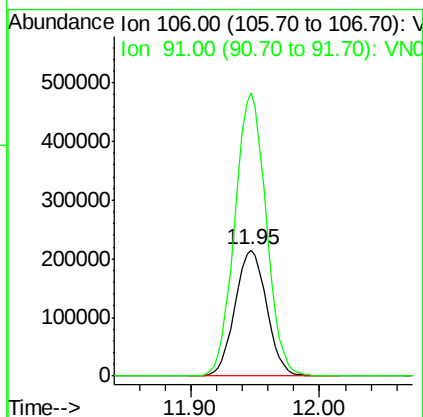
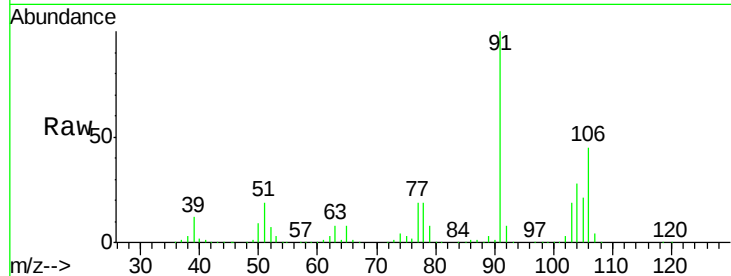
#69
o-Xylene
Concen: 48.553 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion:106 Resp: 368466
Ion Ratio Lower Upper
106 100
91 222.1 111.5 334.5

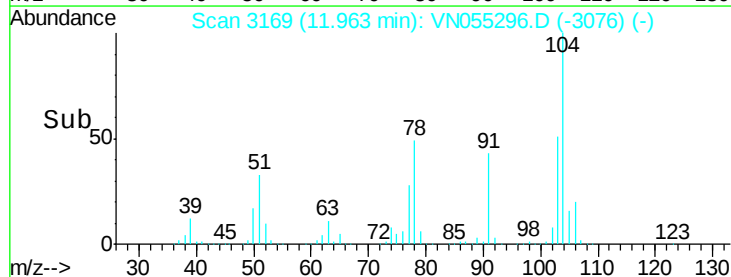
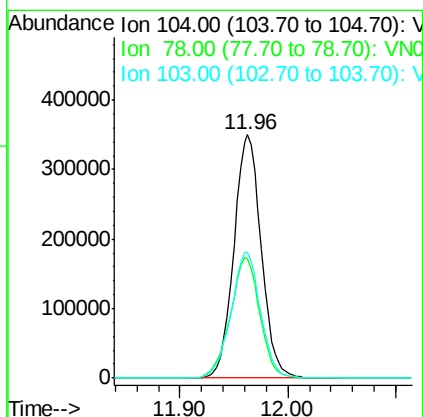
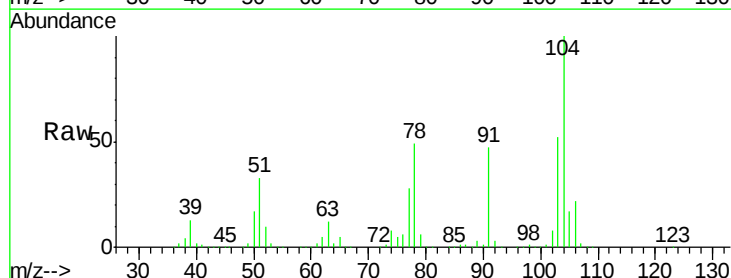
Manual Integrations
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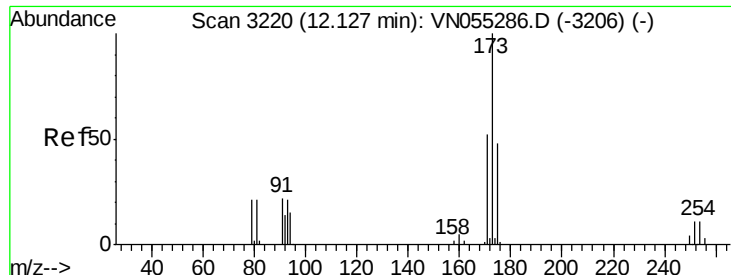
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#70
Styrene
Concen: 53.076 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion:104 Resp: 618447
Ion Ratio Lower Upper
104 100
78 53.3 42.2 63.2
103 55.7 44.6 67.0





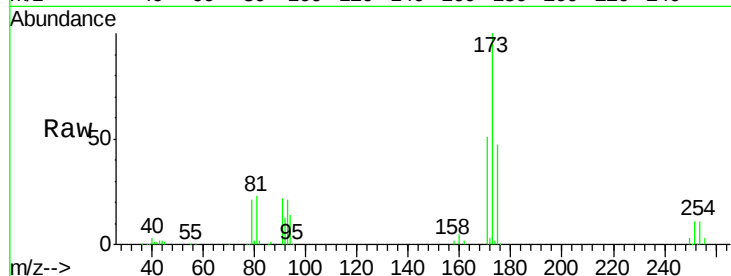
#71
Bromoform
Concen: 49.540 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

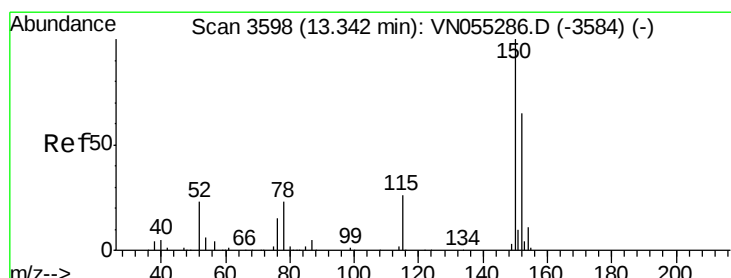
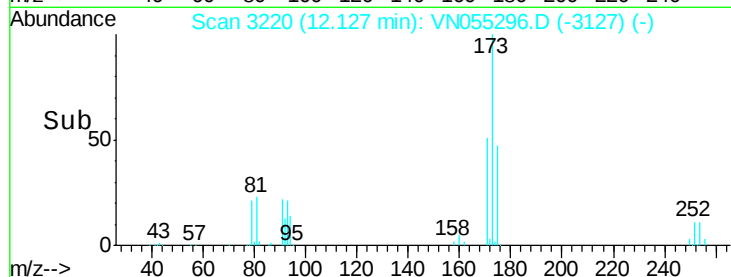
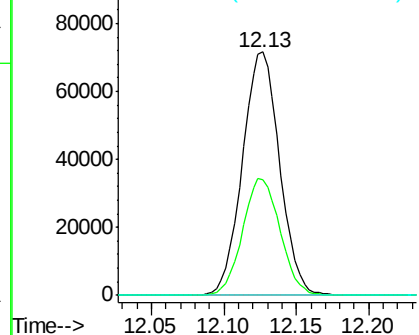
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.6	71.0
254	0.1	0.0	0.0

Manual Integrations
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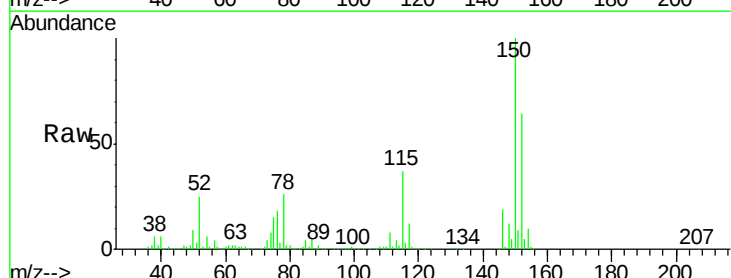


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

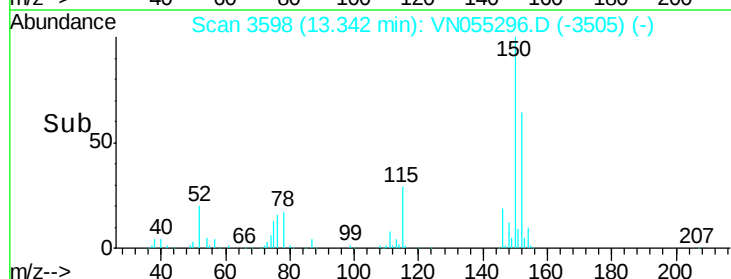
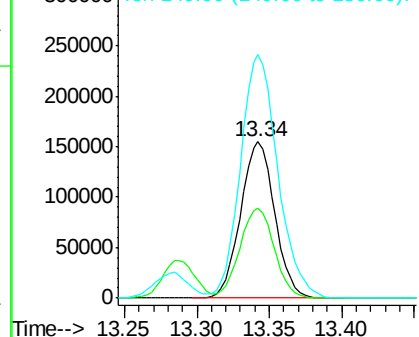


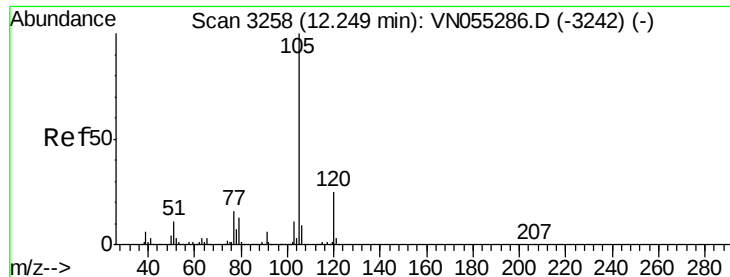
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.0	87.0
150	171.2	0.0	345.6



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





#73

Isopropylbenzene

Concen: 48.818 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 980119

Ion Ratio Lower Upper

105 100

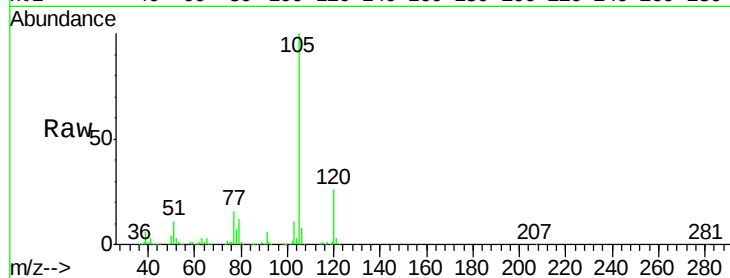
120 25.9 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

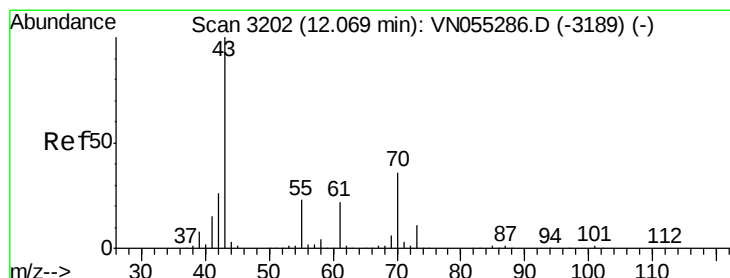
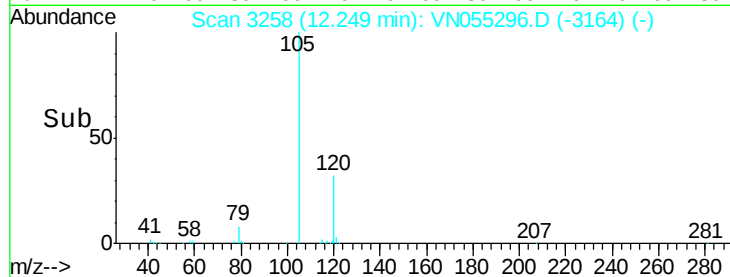
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 57.646 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Tgt Ion: 43 Resp: 372715

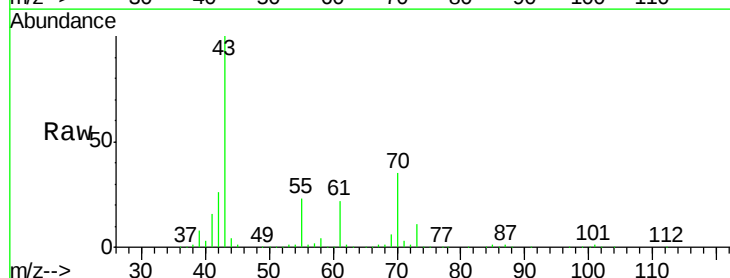
Ion Ratio Lower Upper

43 100

70 35.3 27.9 41.9

55 22.9 18.2 27.2

61 21.3 16.9 25.3



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

12.07

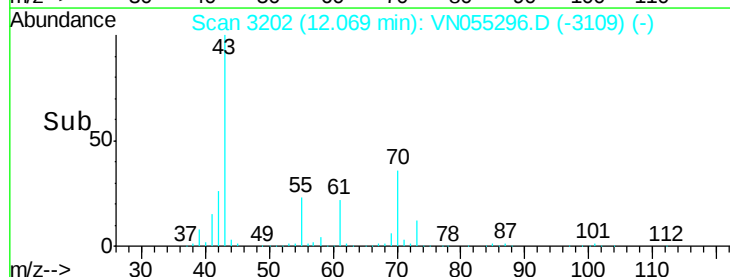
300000

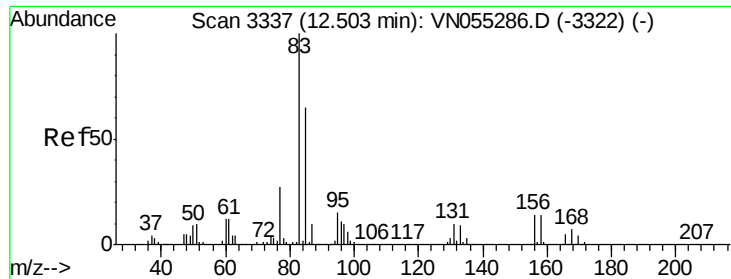
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.255 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Instrument :

MSVOA_N

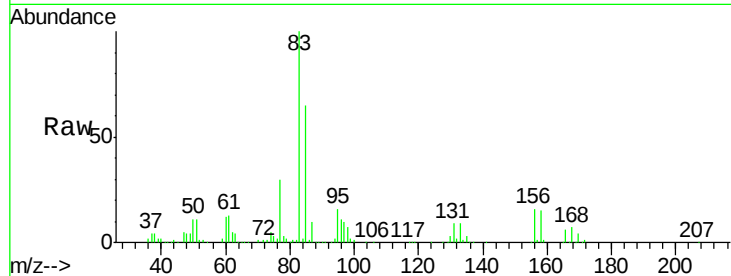
ClientSampleId :

VSTDCCC050EC

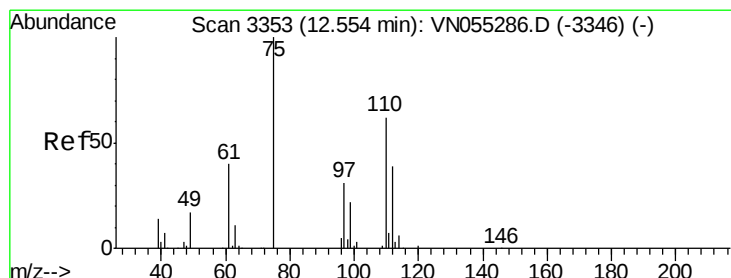
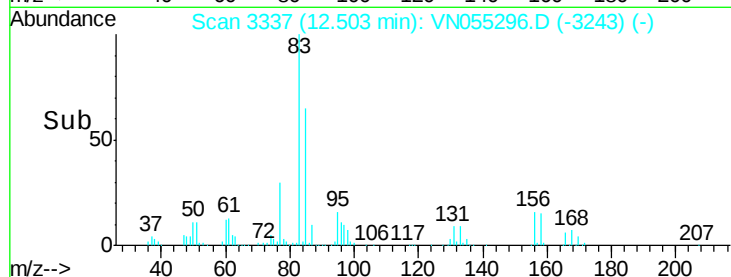
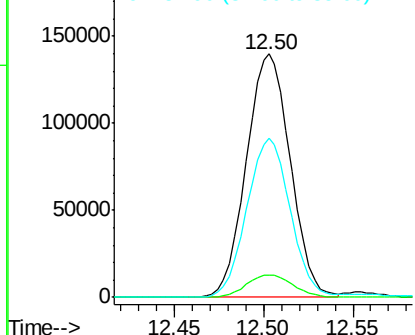
Tot Ion:	83	Resp:	241424
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.1	15.2
85	64.4	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 44.107 ug/l m

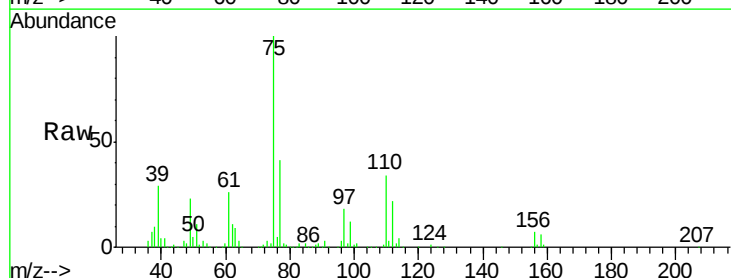
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

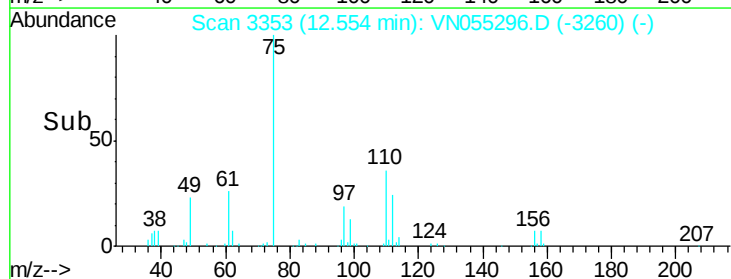
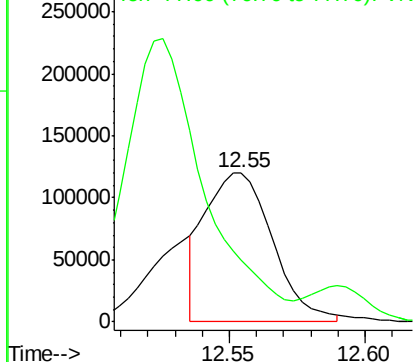
Lab File: VN055296.D

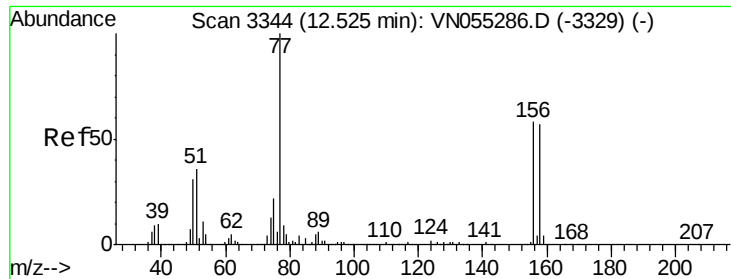
Acq: 29 Apr 2019 16:31

Tgt Ion:	75	Resp:	207935
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 49.653 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Instrument :

MSVOA_N

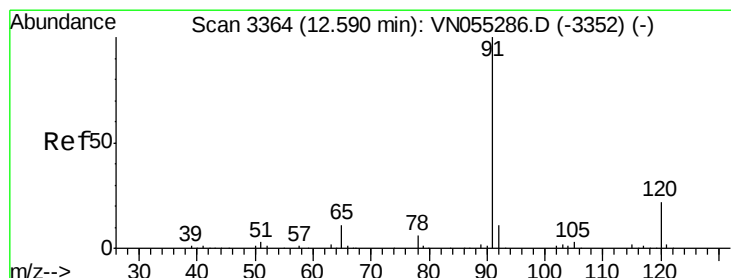
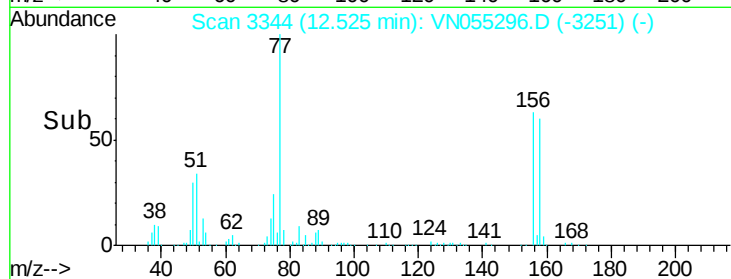
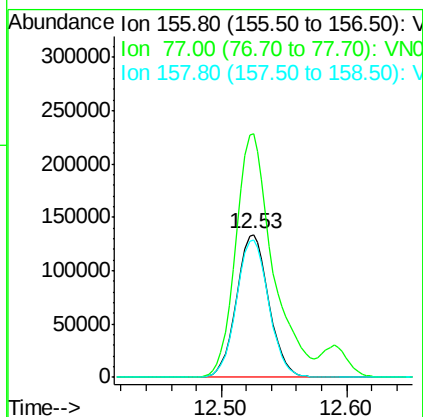
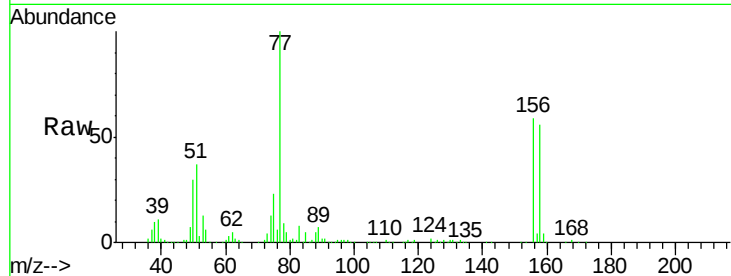
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	238703
Ion Ratio	Lower	Upper	
156	100		
77	195.8	99.6	298.8
158	96.7	49.3	147.8

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#78

n-propylbenzene

Concen: 43.120 ug/l

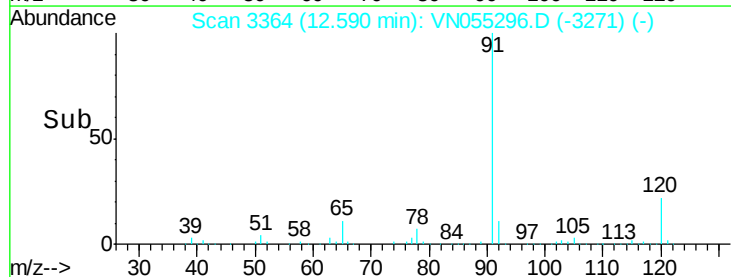
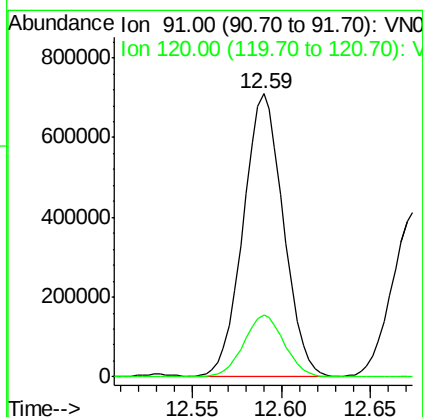
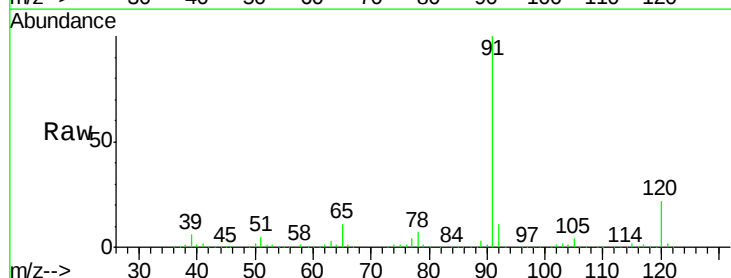
RT: 12.59 min Scan# 3364

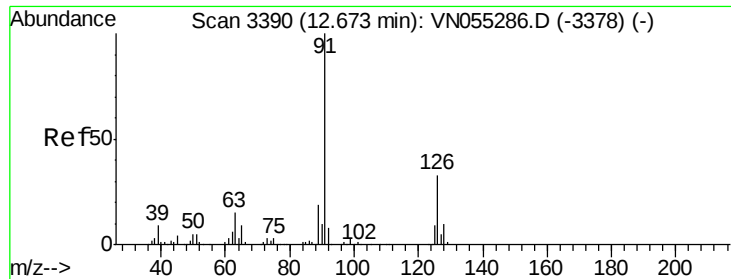
Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Tgt Ion:	91	Resp:	1115901
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.0	33.0





#79

2-Chlorotoluene

Concen: 49.440 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 675441

Ion Ratio Lower Upper

91 100

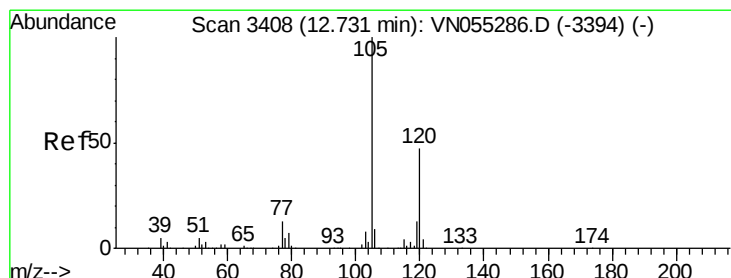
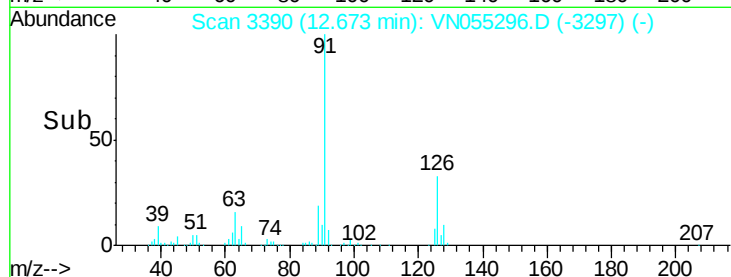
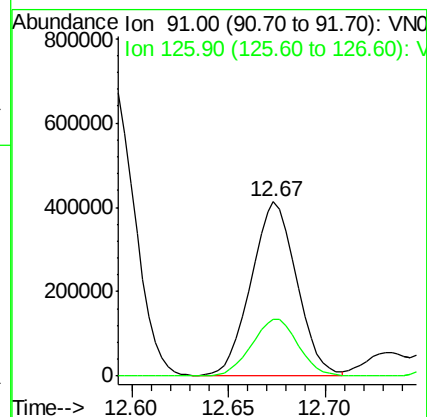
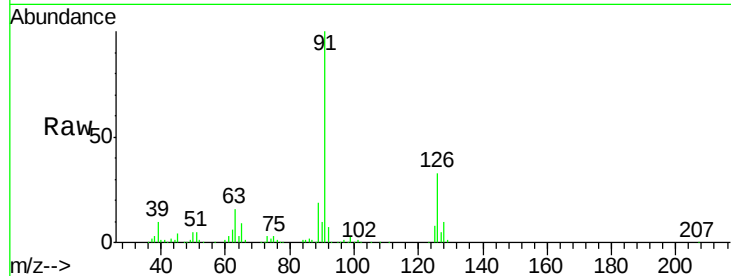
126 33.5 16.6 49.7

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#80

1,3,5-Trimethylbenzene

Concen: 41.349 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055296.D

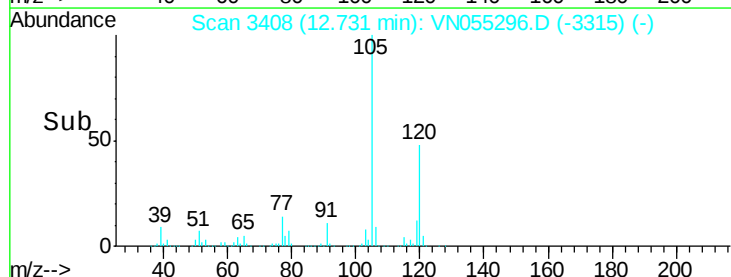
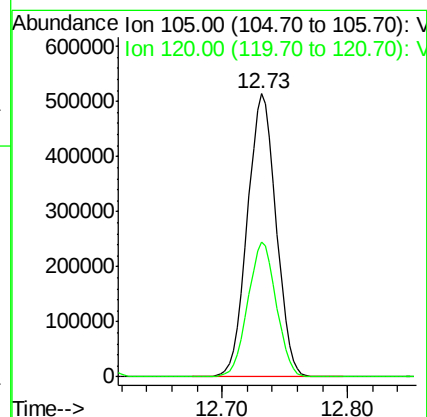
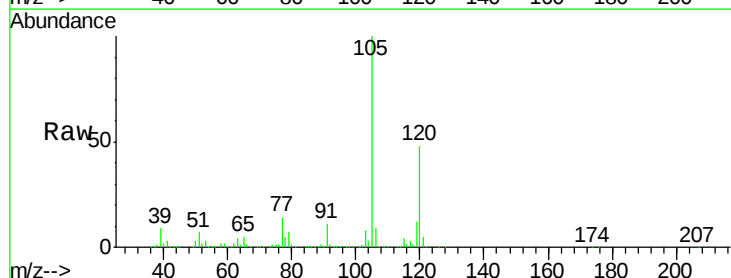
Acq: 29 Apr 2019 16:31

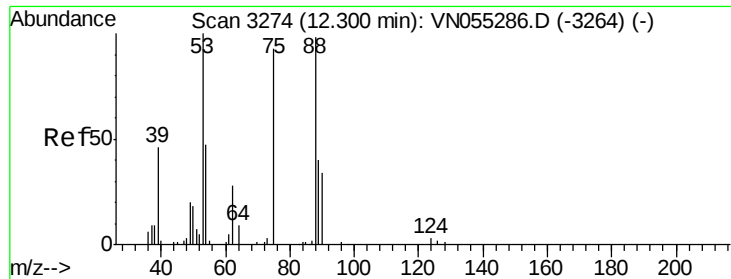
Tgt Ion: 105 Resp: 816677

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.0





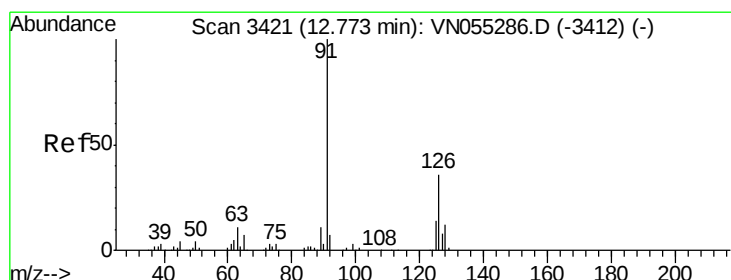
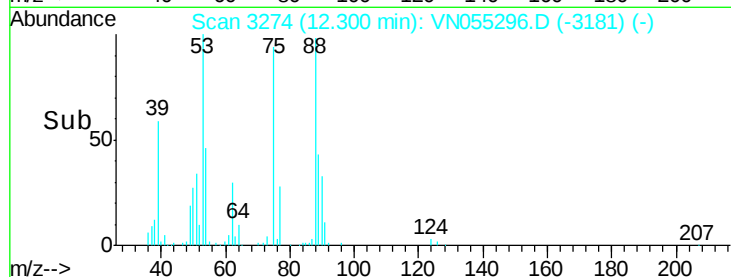
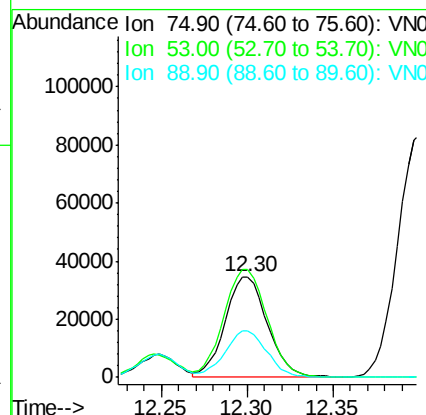
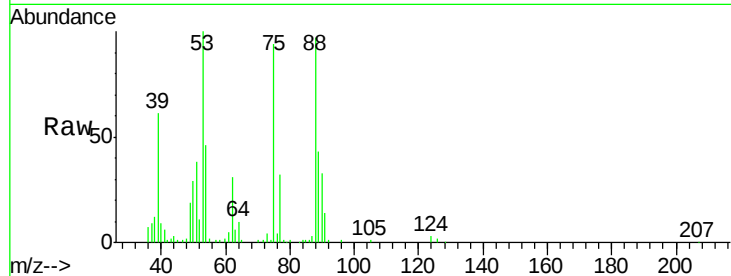
#81
trans-1,4-Dichloro-2-butene
Concen: 44.798 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.5	86.3	129.5
89	45.3	34.6	51.8

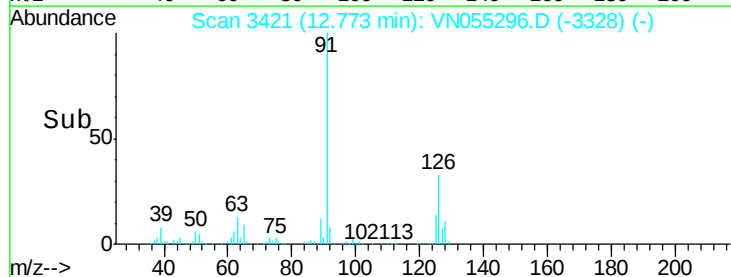
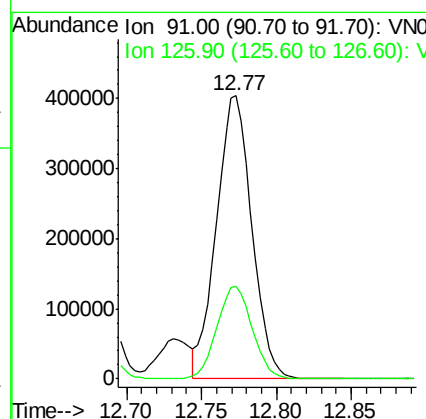
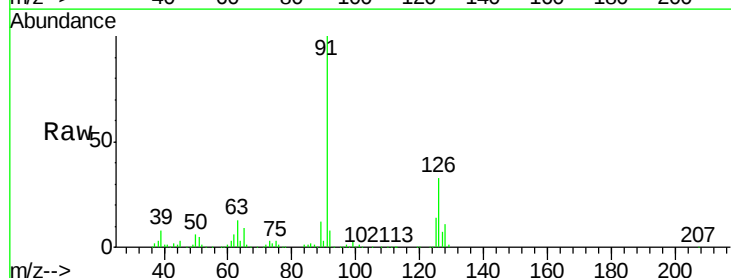
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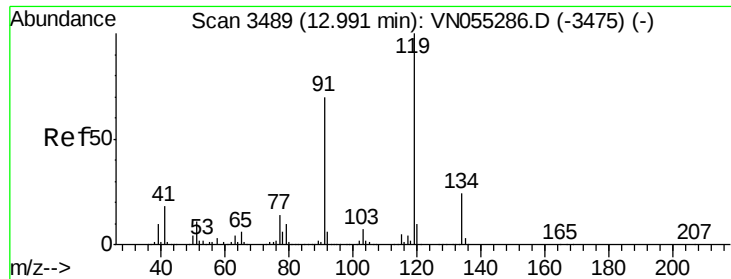
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#82
4-Chlorotoluene
Concen: 44.100 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.6	49.7





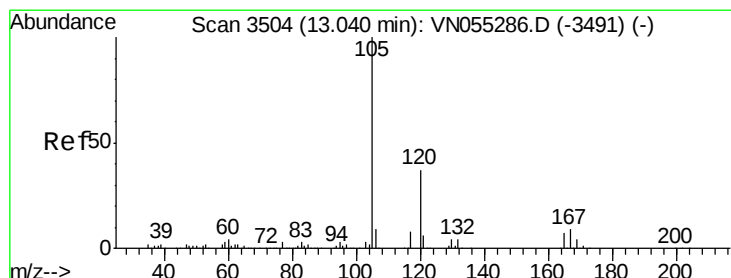
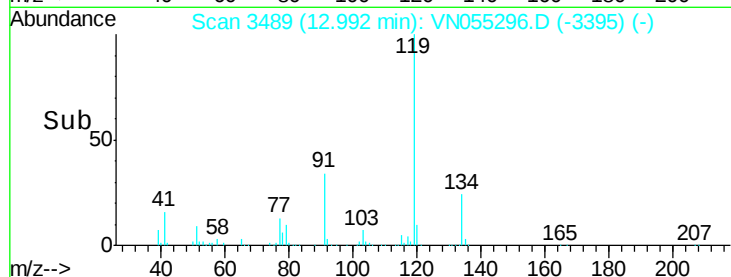
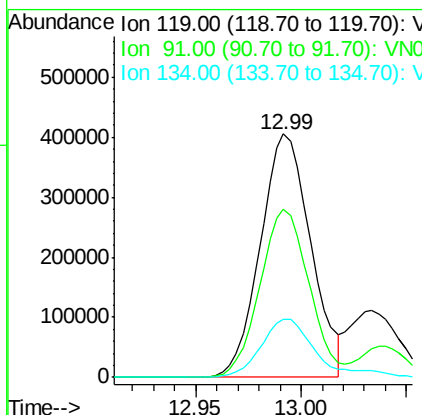
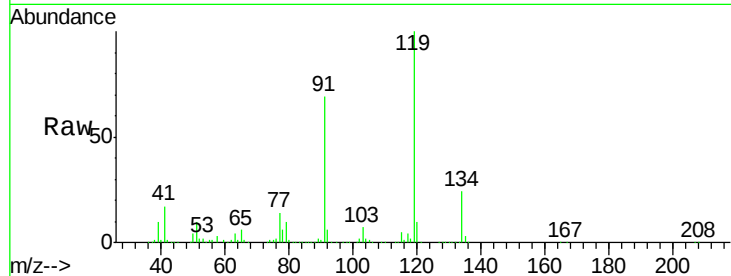
#83
tert-Butylbenzene
Concen: 48.245 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	34.3	102.9
134	26.2	13.1	39.3

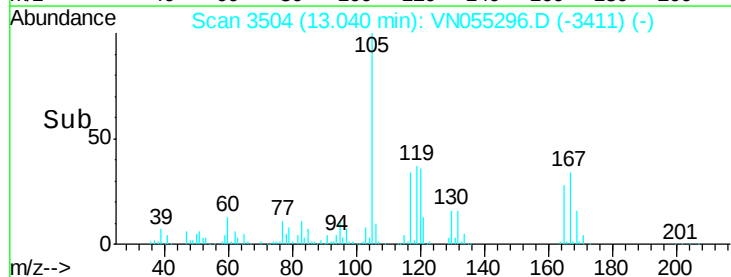
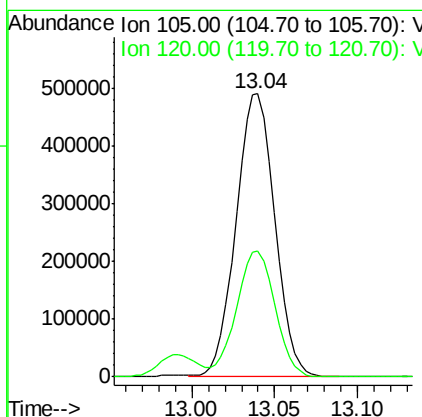
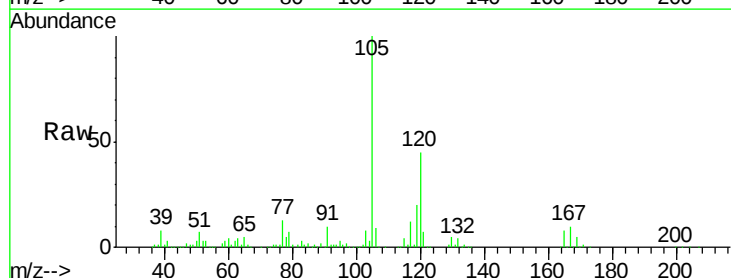
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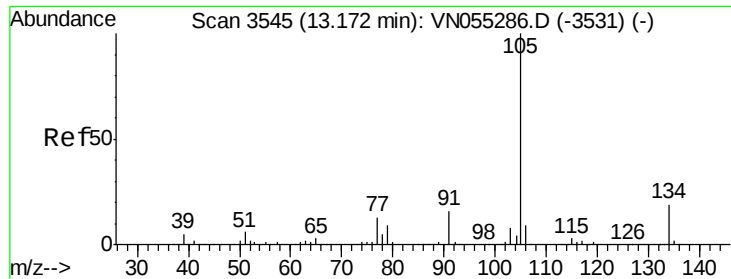
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#84
1,2,4-Trimethylbenzene
Concen: 45.141 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5





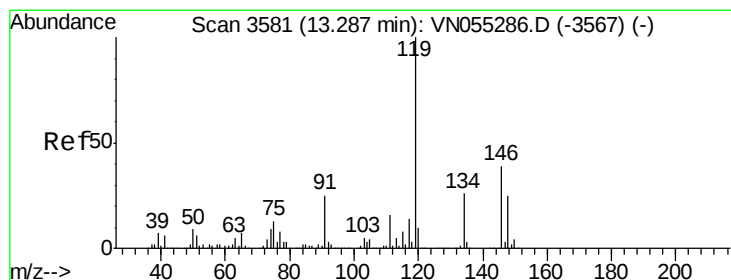
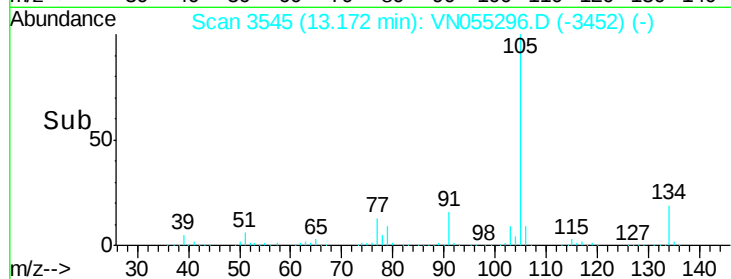
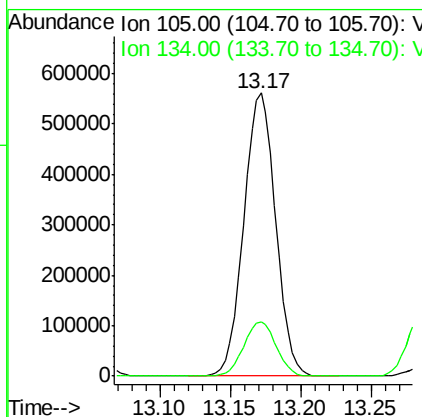
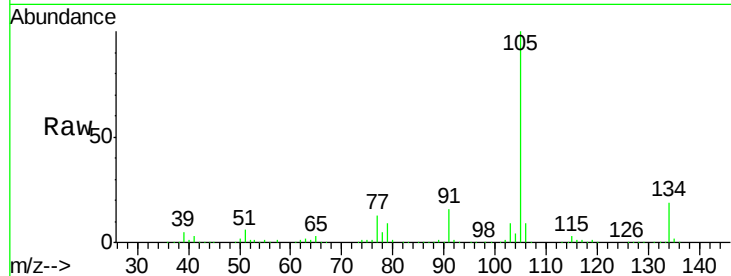
#85
 sec-Butylbenzene
 Concen: 41.335 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 887353
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.6 28.8

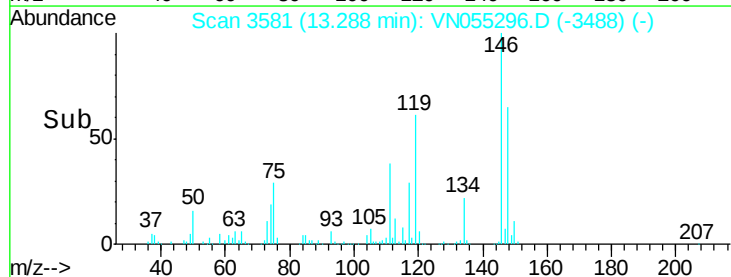
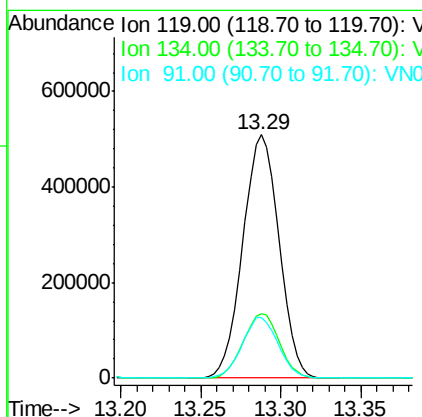
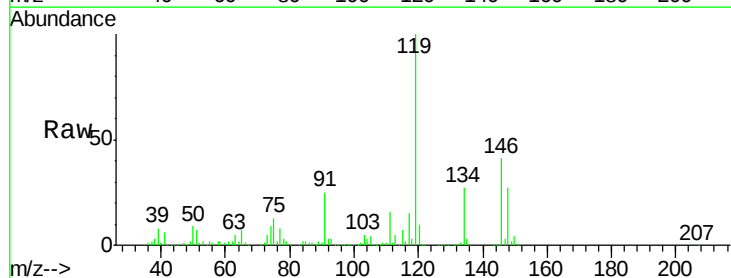
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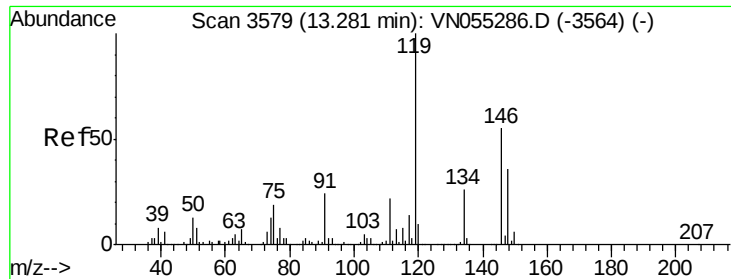
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#86
 p-Isopropyltoluene
 Concen: 44.669 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Tgt Ion:119 Resp: 788140
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.0 38.9
 91 24.7 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 46.989 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Instrument :

MSVOA_N

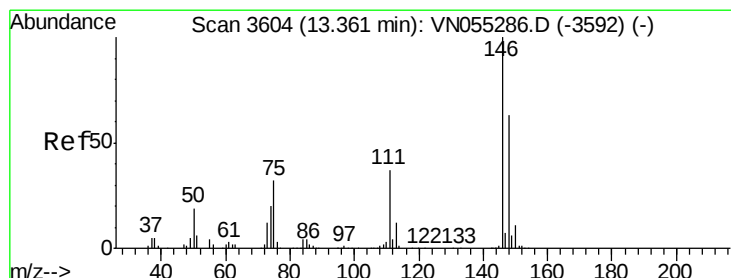
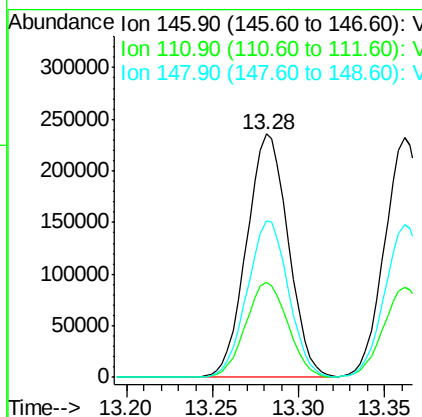
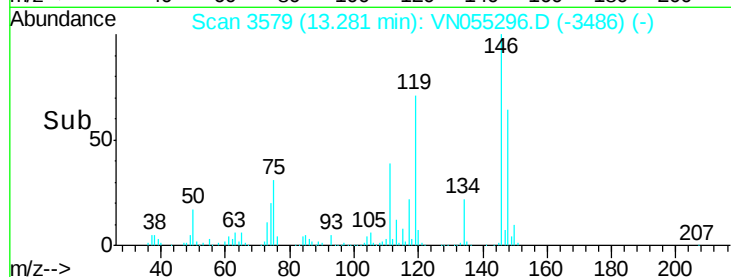
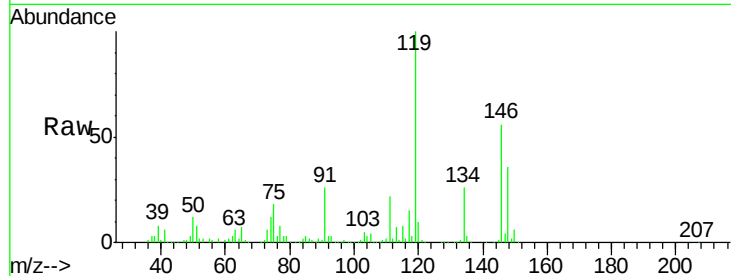
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	396129
Ion Ratio	Lower	Upper	
146	100		
111	39.6	20.3	60.8
148	63.7	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 48.520 ug/l

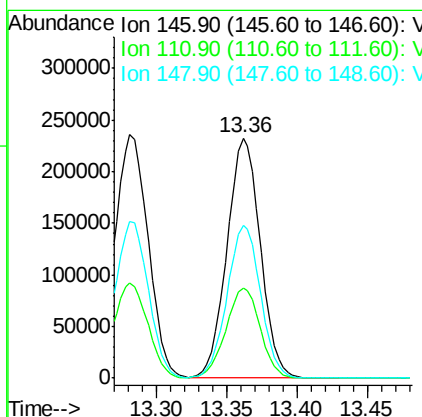
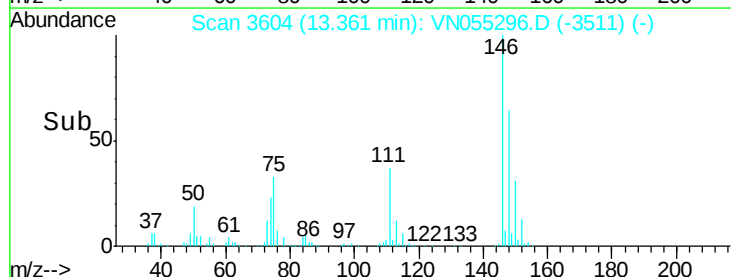
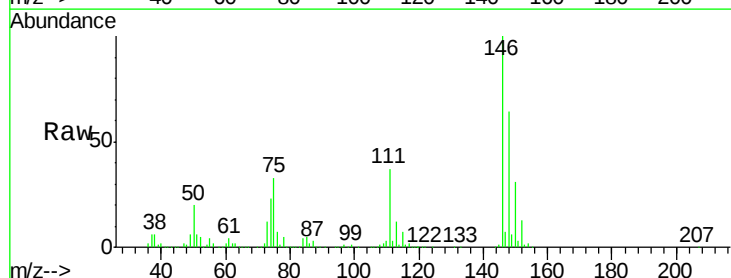
RT: 13.36 min Scan# 3604

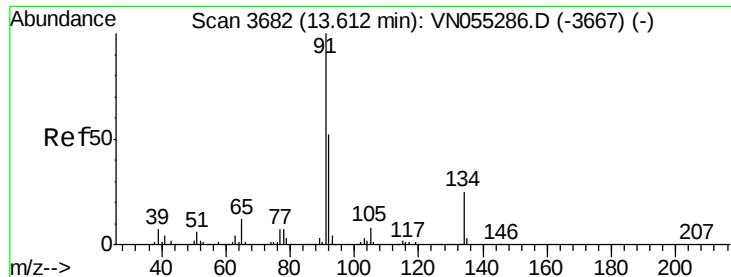
Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Tgt Ion:	146	Resp:	385203
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.5	58.5
148	63.8	32.5	97.4





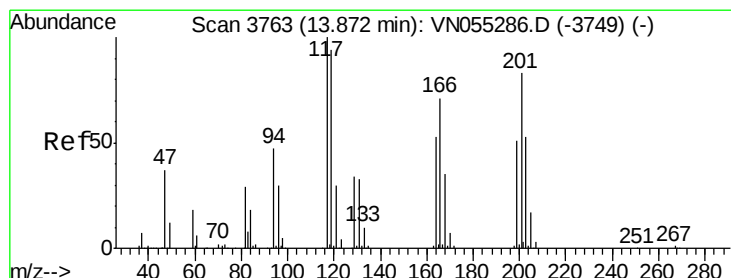
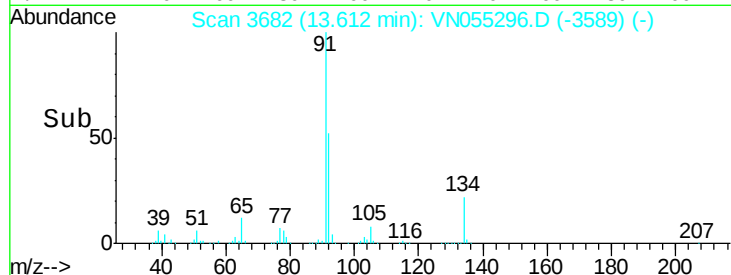
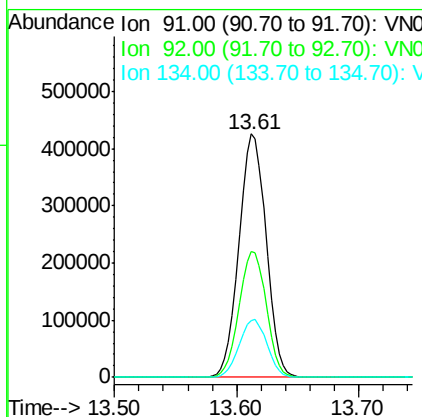
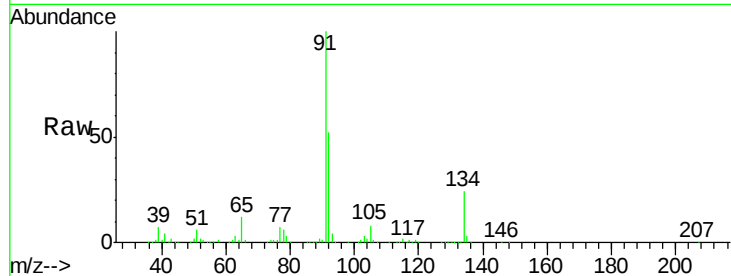
#89
n-Butylbenzene
Concen: 52.103 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.1	78.3
134	24.3	12.4	37.4

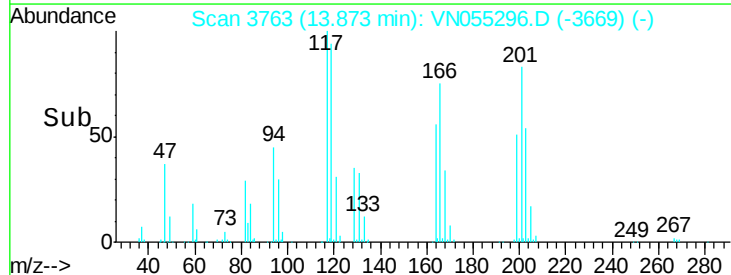
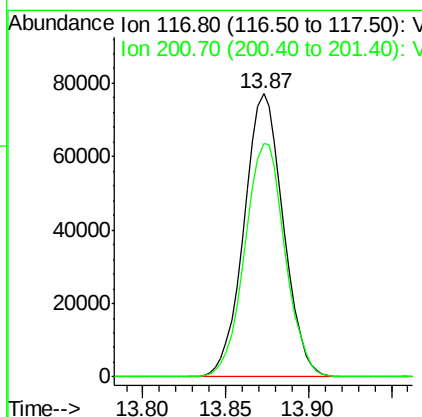
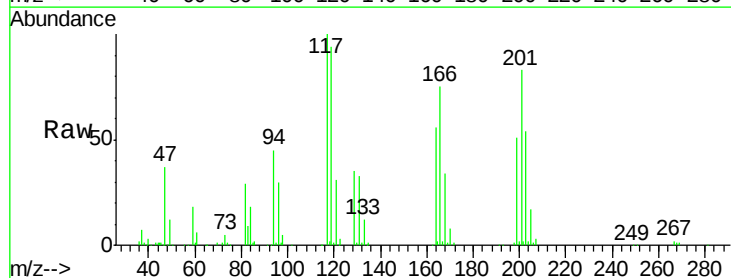
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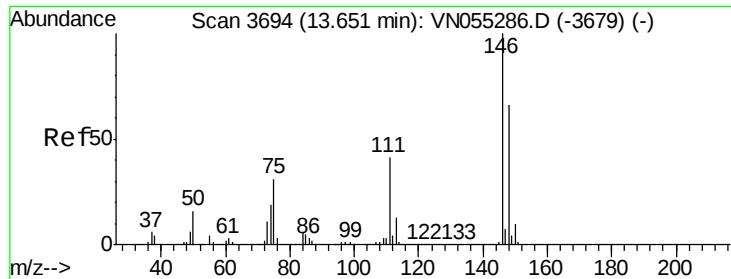
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#90
Hexachloroethane
Concen: 45.424 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055296.D
Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	41.9	125.8





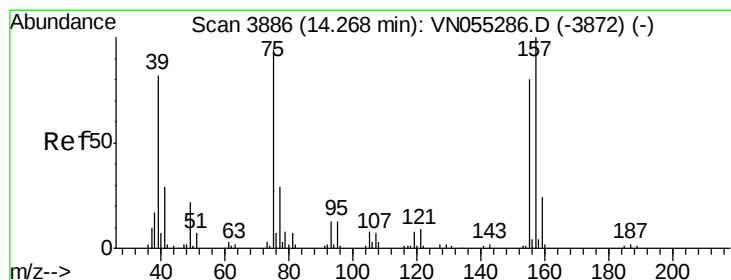
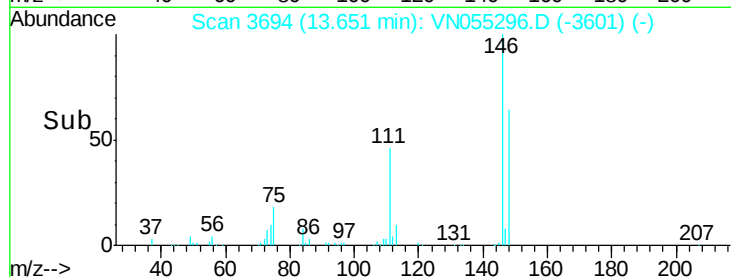
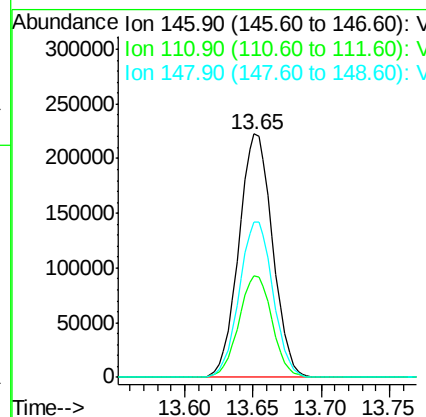
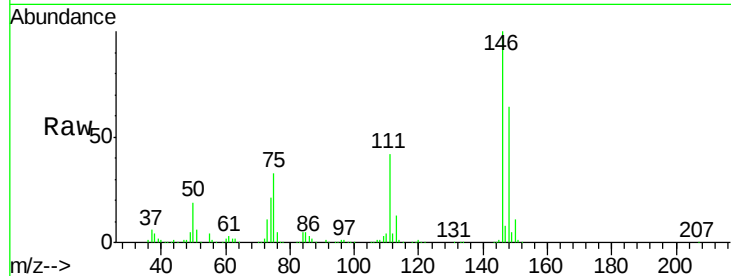
#91
 1,2-Dichlorobenzene
 Concen: 45.648 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	61.0
148	63.8	32.4	97.2

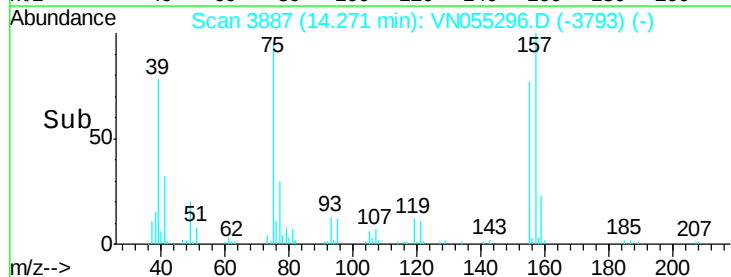
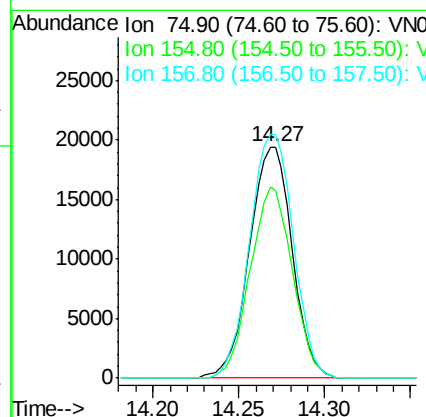
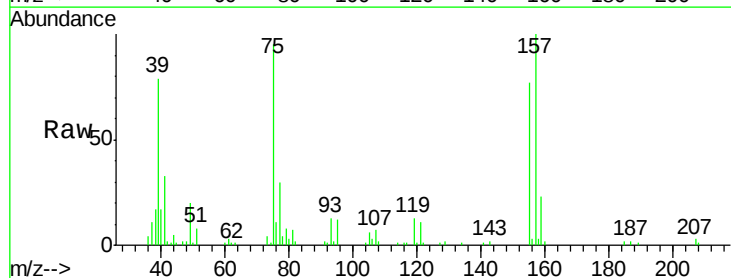
Manual Integrations
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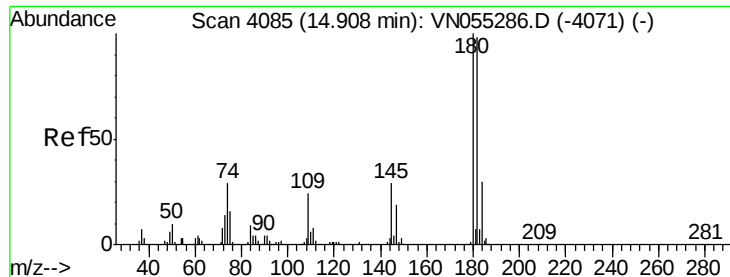
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.429 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055296.D
 Acq: 29 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	41.5	124.6
157	107.4	54.0	162.2





#93

1,2,4-Trichlorobenzene

Concen: 48.563 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Instrument :

MSVOA_N

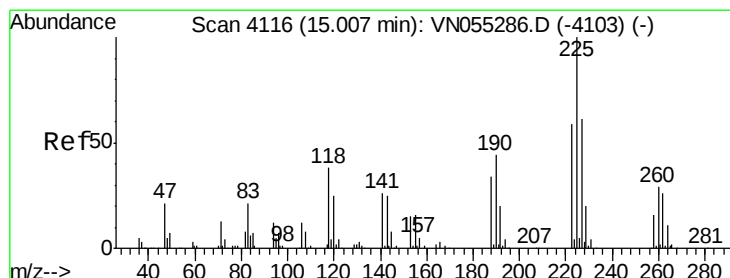
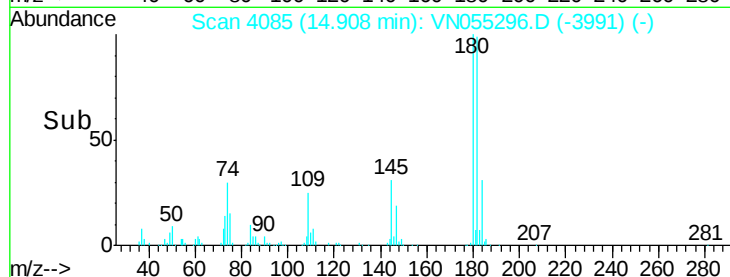
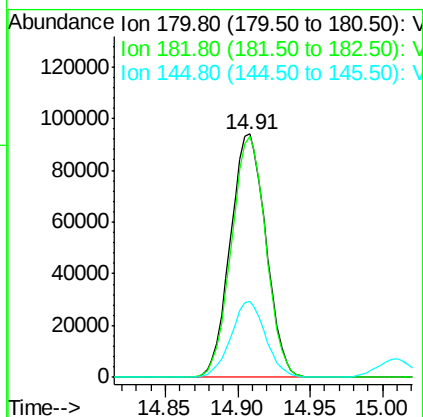
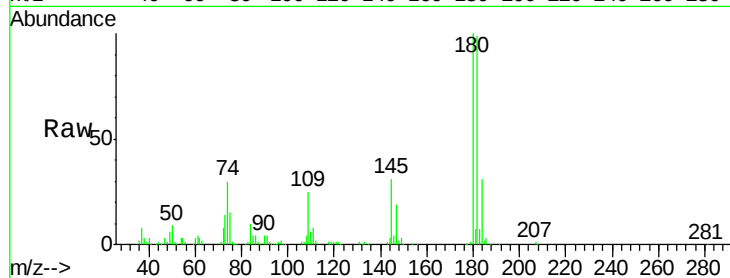
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	159631
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.3	144.9
145	30.4	14.2	42.6

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:59:26 AM



#94

Hexachlorobutadiene

Concen: 52.610 ug/l

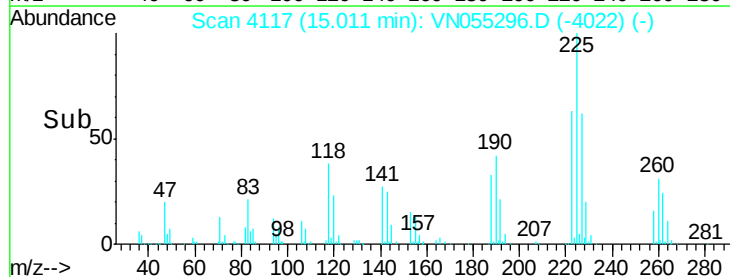
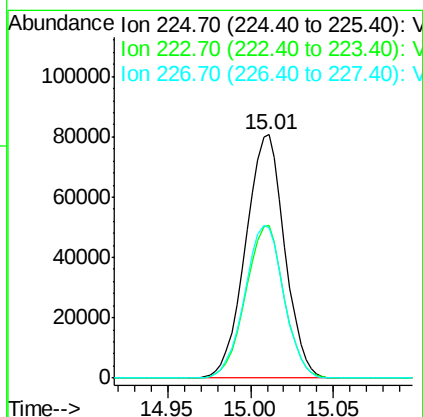
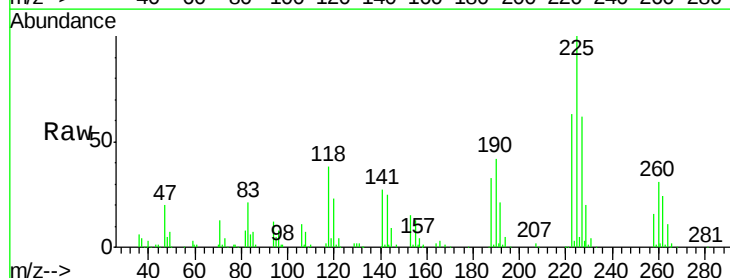
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Tgt Ion:	225	Resp:	131907
Ion Ratio	Lower	Upper	
225	100		
223	61.7	30.3	90.8
227	62.9	30.9	92.7





#95

Naphthalene

Concen: 45.646 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Instrument :

MSVOA_N

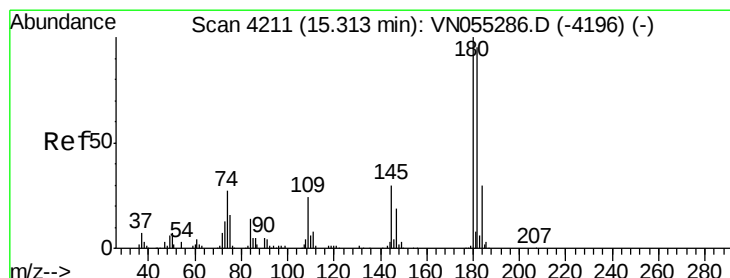
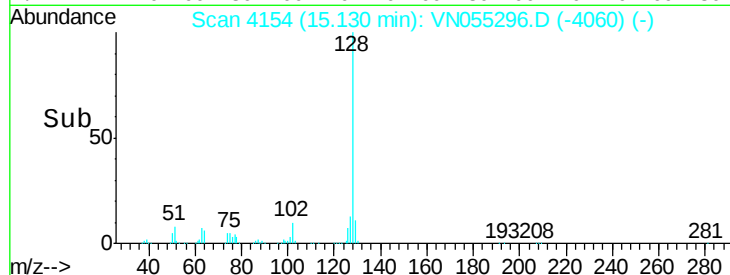
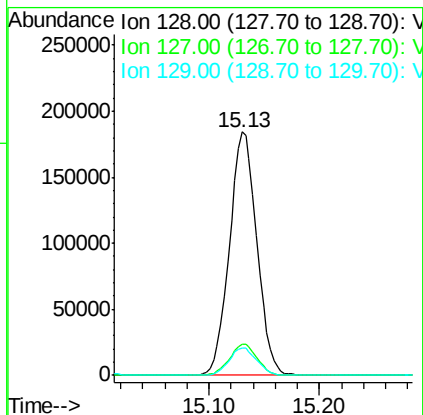
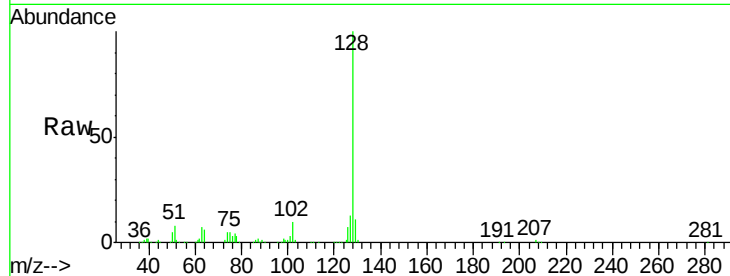
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	317467
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.7	16.1
129	11.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:59:26 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.897 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055296.D

Acq: 29 Apr 2019 16:31

Tgt Ion:	180	Resp:	158425
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.3	144.9
145	30.9	15.2	45.6

