

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
 Data File : VN055336.D
 Acq On : 2 May 2019 8:58
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 1:09:07 PM

Quant Time: May 03 02:15:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	393074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	599362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	523731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	215669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	243176	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
35) Dibromofluoromethane	7.59	113	196294	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	10.09	98	724134	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.40	95	246812	55.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	237901	49.398	ug/l	100
3) Chloromethane	2.06	50	264272	44.315	ug/l	97
4) Vinyl Chloride	2.19	62	219285	45.618	ug/l	99
5) Bromomethane	2.56	94	115149	45.223	ug/l	94
6) Chloroethane	2.70	64	117742	45.214	ug/l	100
7) Trichlorofluoromethane	3.02	101	320447	46.881	ug/l	99
8) Diethyl Ether	3.41	74	108864	45.522	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	196127	48.184	ug/l	99
10) Methyl Iodide	3.95	142	265707	46.385	ug/l	99
11) Tert butyl alcohol	4.79	59	66181	224.791	ug/l	100
12) 1,1-Dichloroethene	3.74	96	175388	45.169	ug/l	96
13) Acrolein	3.61	56	50378	219.107	ug/l	97
14) Allyl chloride	4.33	41	370613	46.085	ug/l	99
15) Acrylonitrile	4.99	53	394876	238.617	ug/l	99
16) Acetone	3.82	43	452172	282.206	ug/l	99
17) Carbon Disulfide	4.06	76	459223	45.318	ug/l	99
18) Methyl Acetate	4.33	43	194330	49.783	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	508465	46.580	ug/l	98
20) Methylene Chloride	4.55	84	211053	43.154	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	188988	45.957	ug/l	97
22) Diisopropyl ether	5.95	45	769828	48.179	ug/l	98
23) Vinyl Acetate	5.89	43	2542343	242.769	ug/l	99
24) 1,1-Dichloroethane	5.85	63	398448	46.802	ug/l	100
25) 2-Butanone	6.83	43	529885	258.594	ug/l	98
26) 2,2-Dichloropropane	6.82	77	278710	47.408	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	218089	46.636	ug/l	97
28) Bromochloromethane	7.19	49	198931	46.356	ug/l	98
29) Tetrahydrofuran	7.21	42	308305	234.971	ug/l	100
30) Chloroform	7.37	83	382599	47.408	ug/l	99
31) Cyclohexane	7.65	56	361541	44.697	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	306333	46.769	ug/l	99
36) 1,1-Dichloropropene	7.79	75	277637	48.361	ug/l	100
37) Ethyl Acetate	6.93	43	200878	45.654	ug/l	99
38) Carbon Tetrachloride	7.77	117	264106	47.690	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	297933	48.810	ug/l	96
40) Benzene	8.04	78	833862	49.271	ug/l	99
41) Methacrylonitrile	7.18	41	137273	57.533	ug/l	91
42) 1,2-Dichloroethane	8.12	62	290060	48.391	ug/l	99
43) Isopropyl Acetate	8.16	43	357539	50.564	ug/l #	87
44) Trichloroethene	8.83	130	209516	48.562	ug/l	100
45) 1,2-Dichloropropane	9.12	63	239460	49.058	ug/l	99
46) Dibromomethane	9.21	93	131484	49.281	ug/l	97
47) Bromodichloromethane	9.40	83	291002	50.841	ug/l	97
48) Methyl methacrylate	9.20	41	165974	47.747	ug/l	96
49) 1,4-Dioxane	9.20	88	38009	1057.750	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1007668	253.114	ug/l	98
52) Toluene	10.16	92	488455	50.302	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	269859	54.310	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	325571	52.552	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	179977	49.912	ug/l	99
56) Ethyl methacrylate	10.43	69	228197	51.415	ug/l	98
57) 1,3-Dichloropropane	10.71	76	313707	49.592	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	335991	244.229	ug/l	100
59) 2-Hexanone	10.75	43	679040	272.608	ug/l	98
60) Dibromochloromethane	10.90	129	195695	53.100	ug/l	99
61) 1,2-Dibromoethane	11.00	107	168688	50.613	ug/l	99
64) Tetrachloroethene	10.63	164	203827	47.590	ug/l	99
65) Chlorobenzene	11.43	112	499200	48.752	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	193362	48.226	ug/l	99
67) Ethyl Benzene	11.51	91	937747	50.715	ug/l	99
68) m/p-Xylenes	11.62	106	684954	103.779	ug/l	98
69) o-Xylene	11.95	106	334901	51.194	ug/l	99
70) Styrene	11.96	104	550997	54.856	ug/l	99
71) Bromoform	12.12	173	118139	53.100	ug/l #	98
73) Isopropylbenzene	12.25	105	900858	52.664	ug/l	100
74) N-amyl acetate	12.07	43	269306	48.656	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	213675	50.005	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	171755m	42.466	ug/l	
77) Bromobenzene	12.53	156	212824	51.810	ug/l	99
78) n-propylbenzene	12.59	91	1024706	46.254	ug/l	100
79) 2-Chlorotoluene	12.67	91	617935	53.029	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	752001	44.477	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	52532	46.159	ug/l	94
82) 4-Chlorotoluene	12.77	91	600314	46.605	ug/l	99
83) tert-Butylbenzene	12.99	119	639197	53.621	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	725325	47.967	ug/l	100
85) sec-Butylbenzene	13.17	105	832465	45.299	ug/l	99
86) p-Isopropyltoluene	13.29	119	734559	48.632	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	351474	48.702	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	341497	50.248	ug/l	99
89) n-Butylbenzene	13.61	91	579905	54.030	ug/l	100
90) Hexachloroethane	13.87	117	123737	51.795	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	339405	47.451	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28955	51.032	ug/l	96

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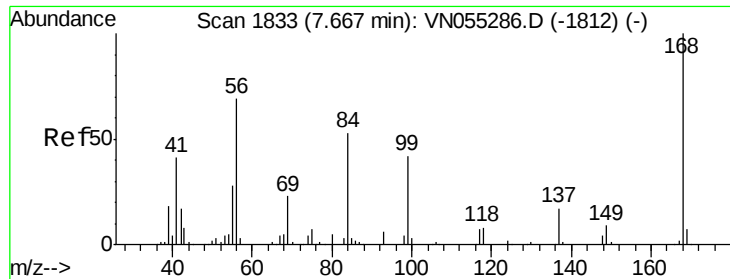
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	124922	44.678	ug/l	98
94) Hexachlorobutadiene	15.01	225	126965	59.522	ug/l	98
95) Naphthalene	15.13	128	237808	40.357	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125120	45.314	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 168 Resp: 393074

Ion Ratio Lower Upper

168 100

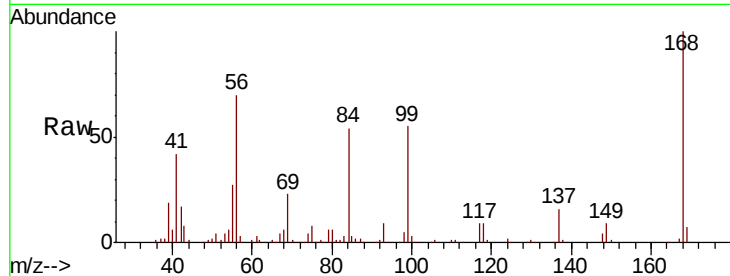
99 54.4 43.6 65.4

Manual Integrations

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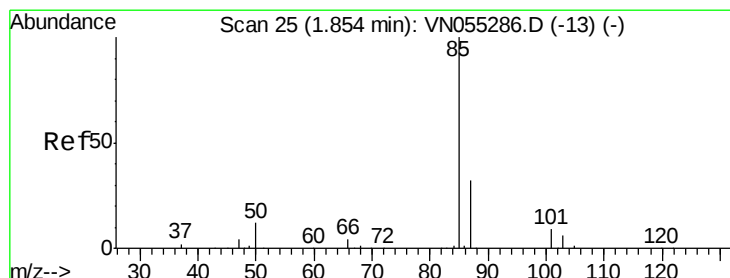
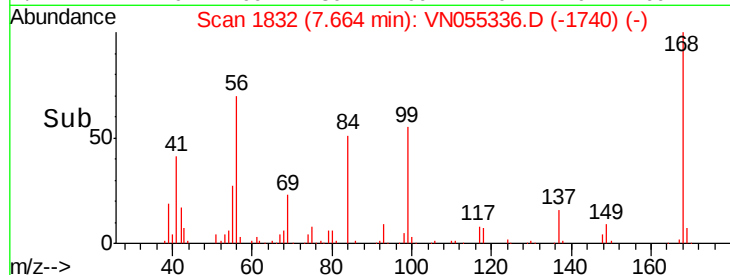
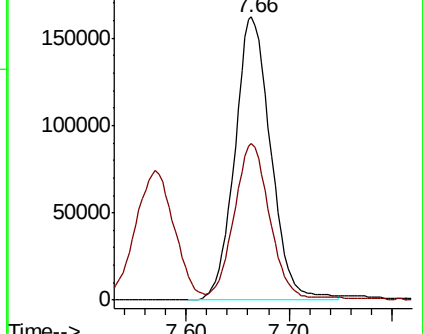
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.398 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055336.D

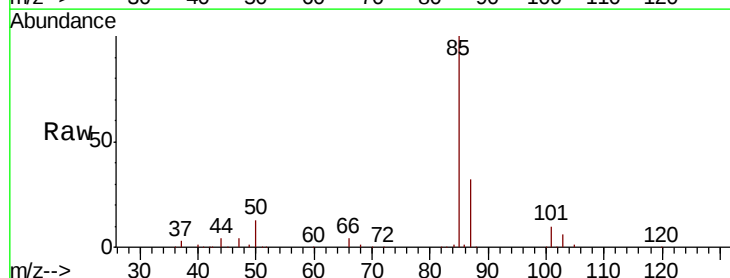
Acq: 2 May 2019 8:58

Tgt Ion: 85 Resp: 237901

Ion Ratio Lower Upper

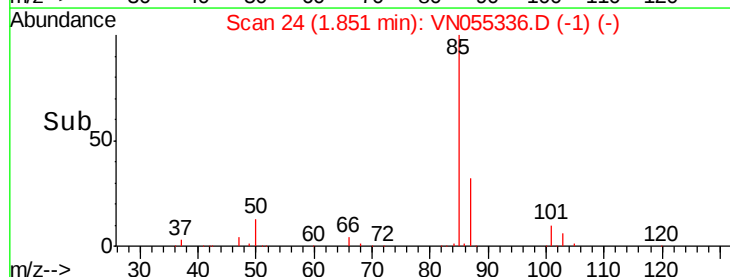
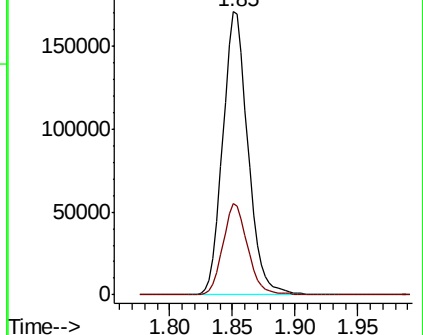
85 100

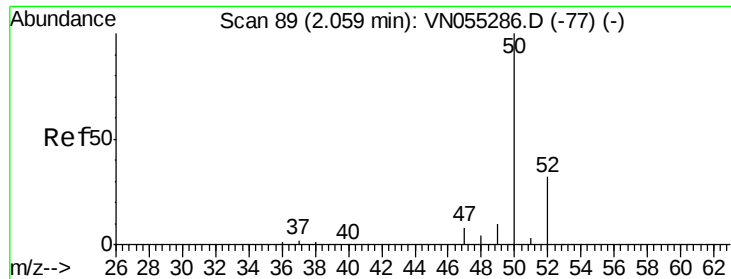
87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.315 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 264272

Ion Ratio Lower Upper

50 100

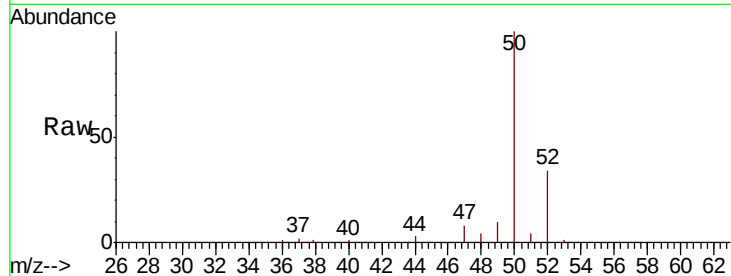
52 33.6 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

200000

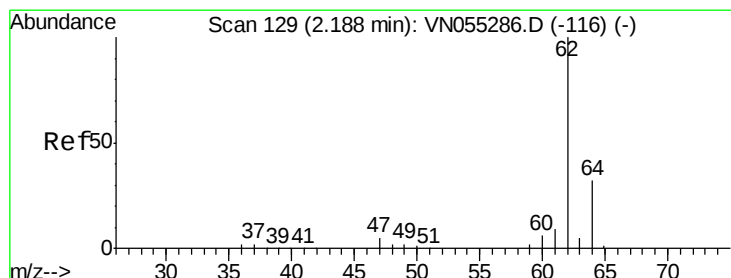
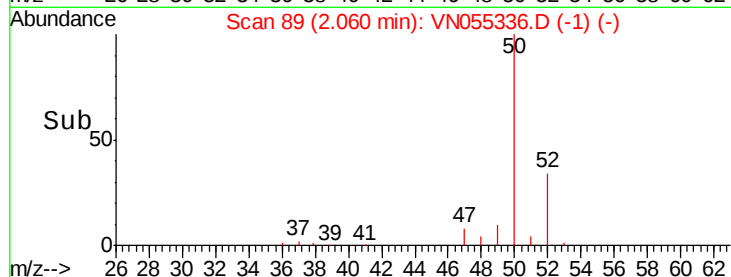
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 45.618 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055336.D

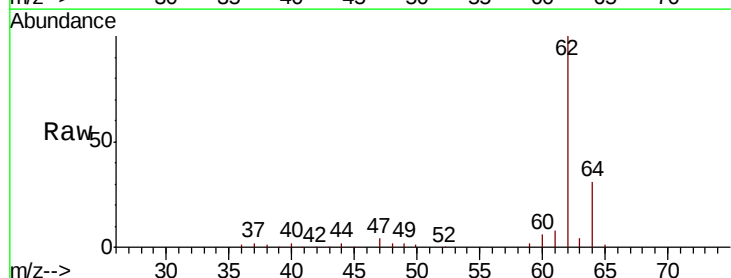
Acq: 2 May 2019 8:58

Tgt Ion: 62 Resp: 219285

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

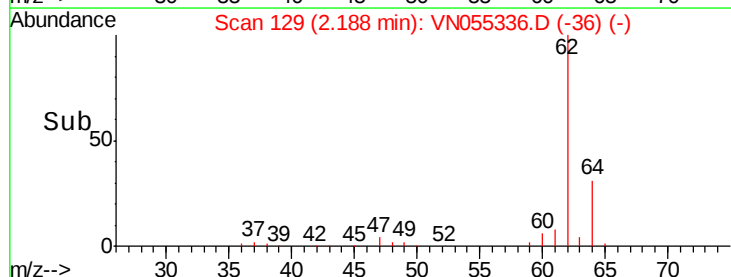
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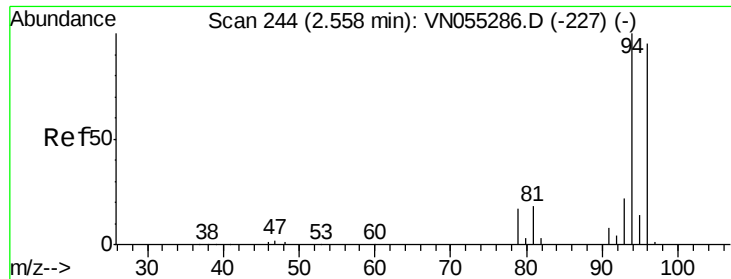
100000

50000

0

Time-->





#5

Bromomethane

Concen: 45.223 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 115149

Ion Ratio Lower Upper

94 100

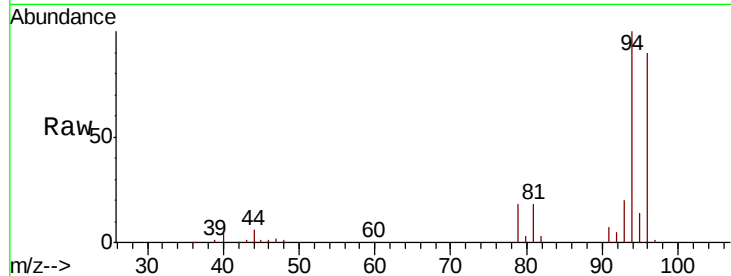
96 89.5 76.0 114.0

Manual Integrations

APPROVED

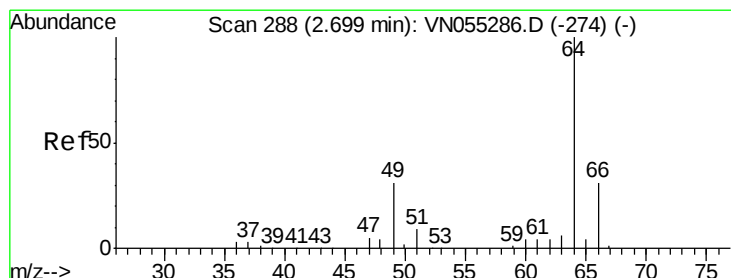
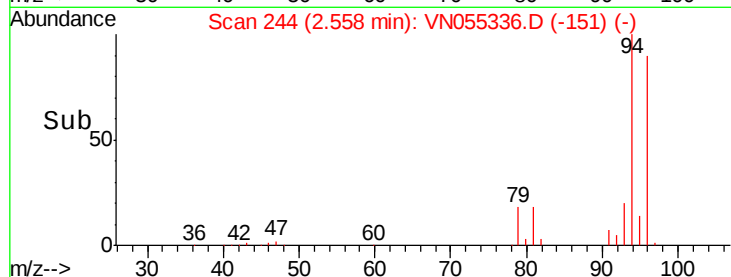
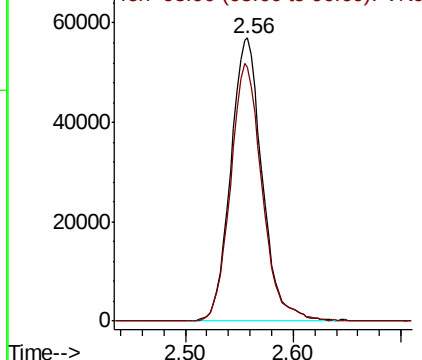
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.214 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055336.D

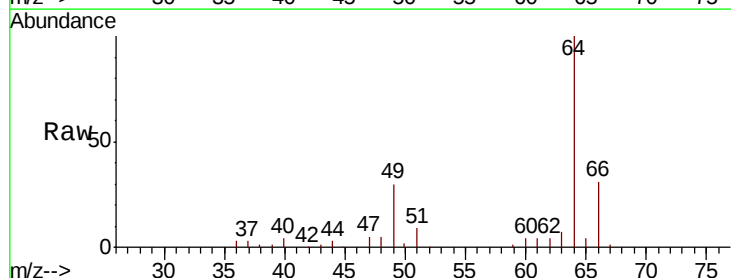
Acq: 2 May 2019 8:58

Tgt Ion: 64 Resp: 117742

Ion Ratio Lower Upper

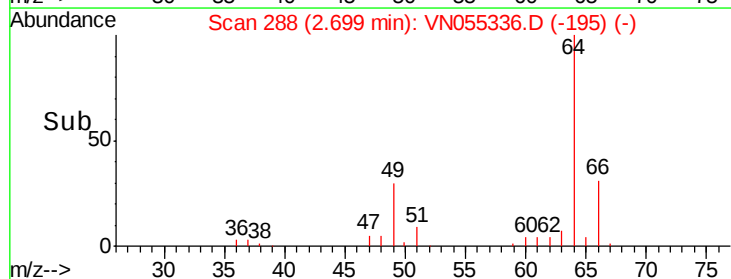
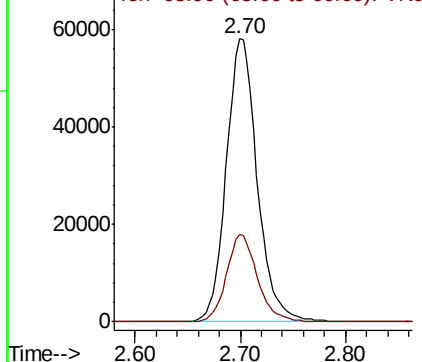
64 100

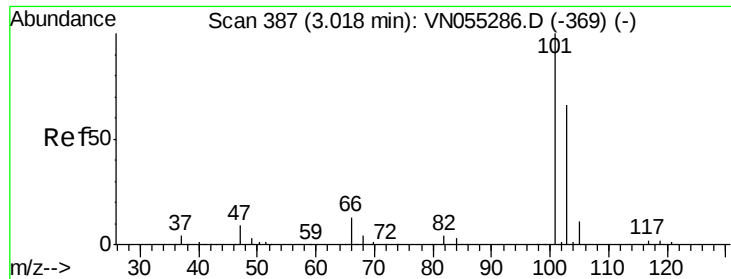
66 31.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

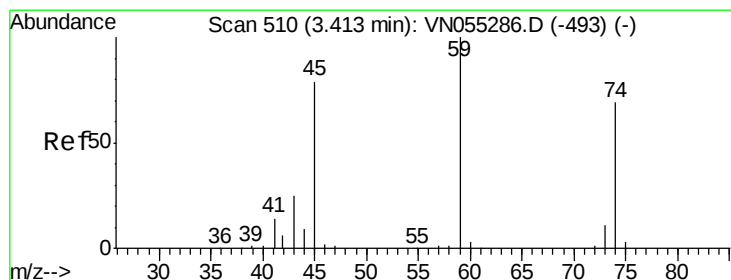
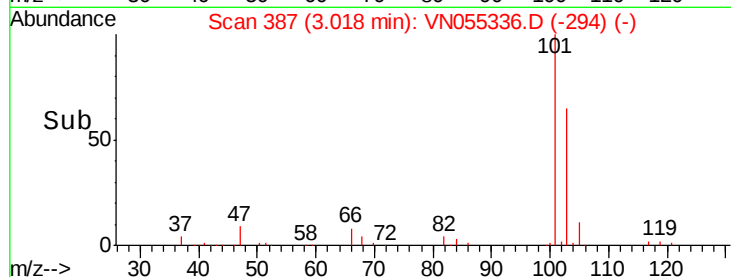
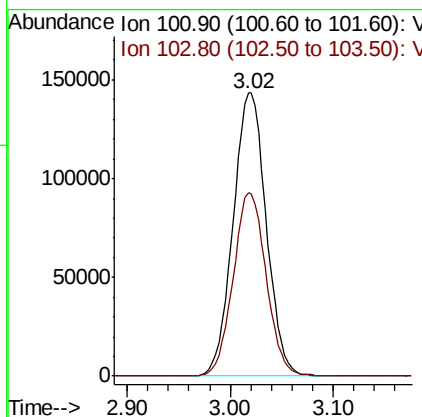
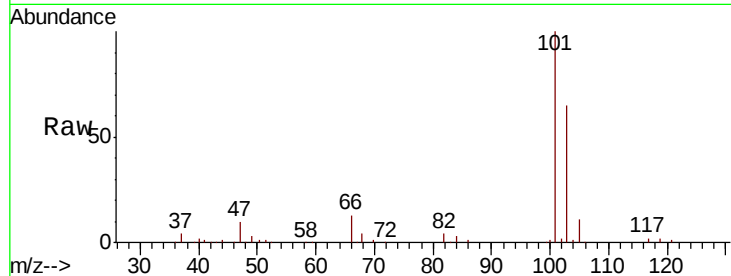
Trichlorofluoromethane
 Concen: 46.881 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

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Tgt Ion: 101 Resp: 320447
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.6 79.0

Manual Integrations
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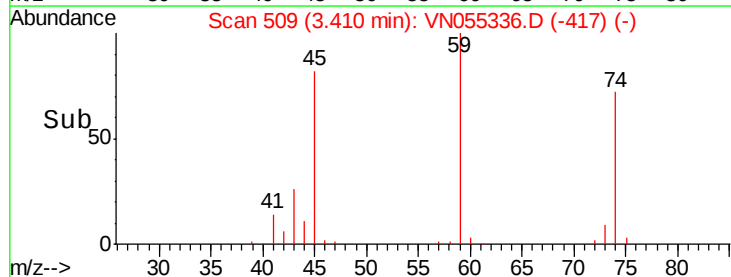
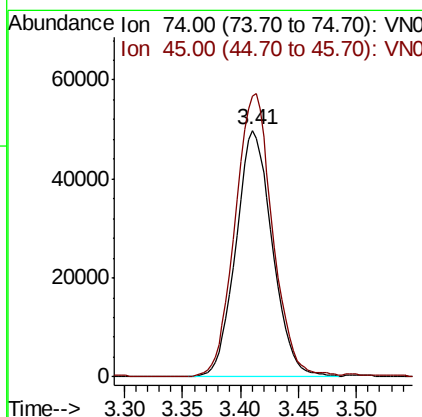
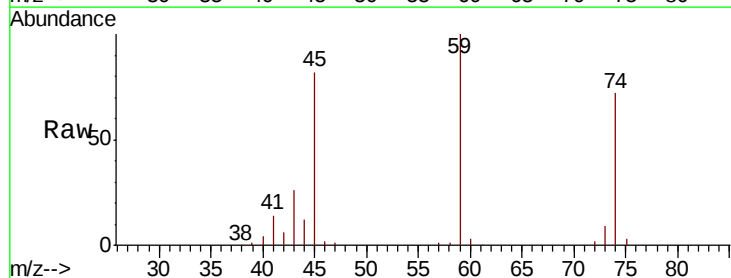
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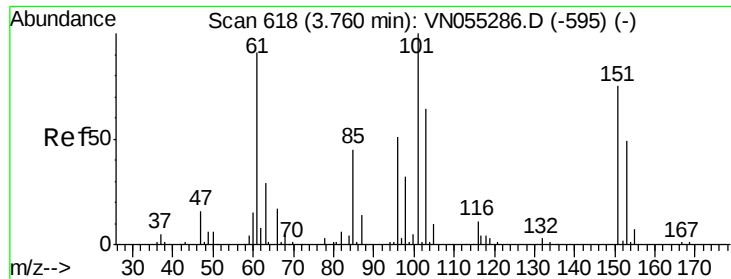


#8

Diethyl Ether
 Concen: 45.522 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Tgt Ion: 74 Resp: 108864
 Ion Ratio Lower Upper
 74 100
 45 118.5 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.184 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Instrument :

MSVOA_N

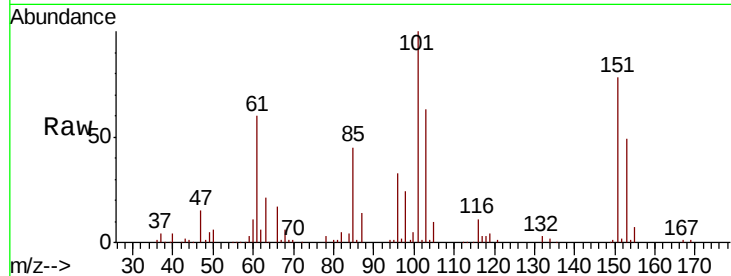
ClientSampleId :

VSTDCCC050

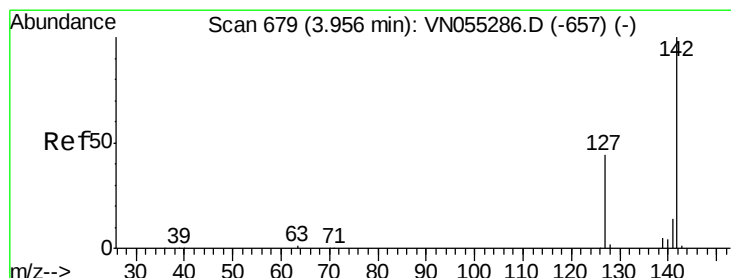
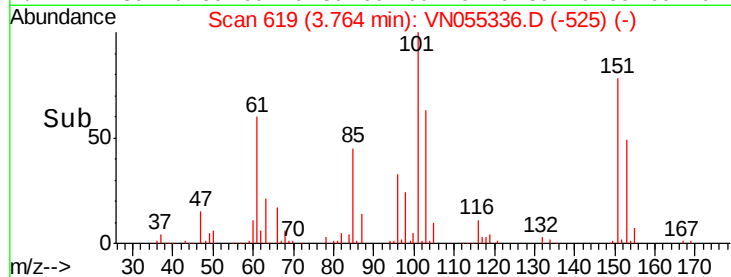
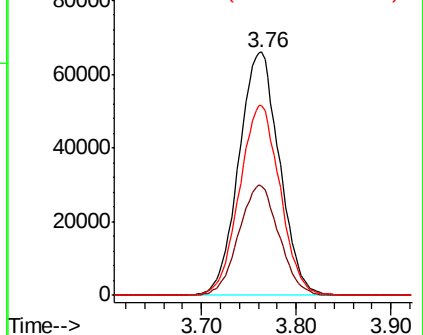
Tgt Ion:	101	Resp:	196127
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.7	53.5
151	78.1	63.3	94.9

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



#10

Methyl Iodide

Concen: 46.385 ug/l

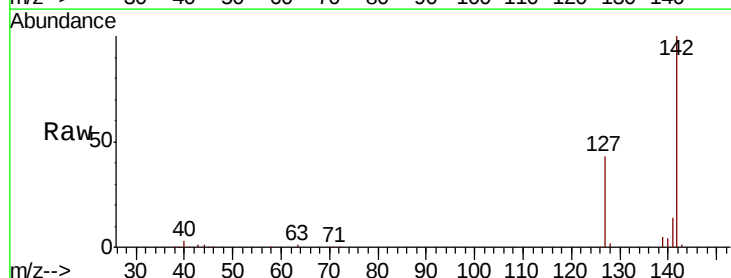
RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

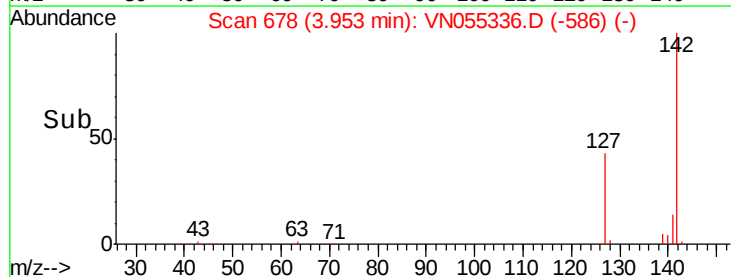
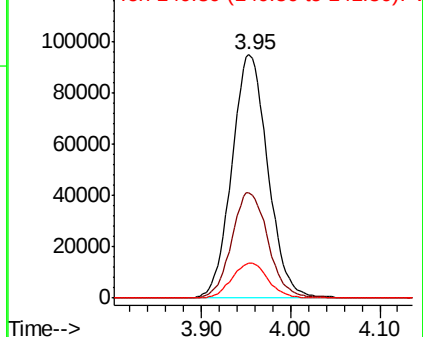
Lab File: VN055336.D

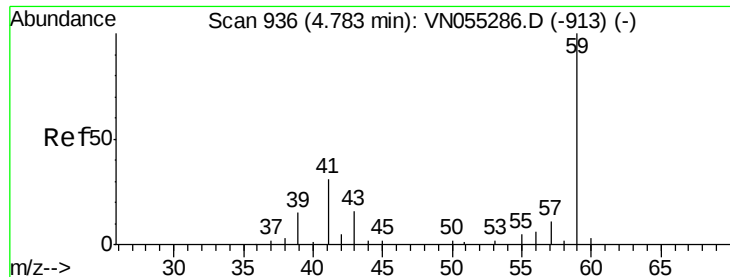
Acq: 2 May 2019 8:58

Tgt Ion:	142	Resp:	265707
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.4	51.6
141	14.5	11.5	17.3



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





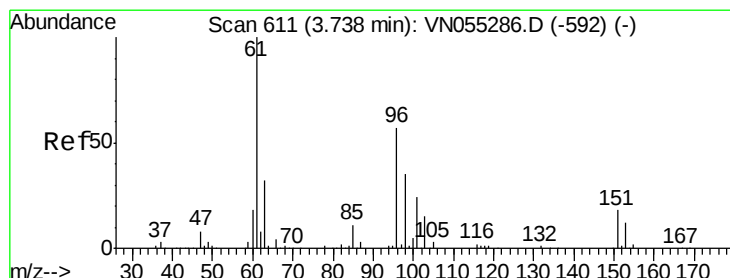
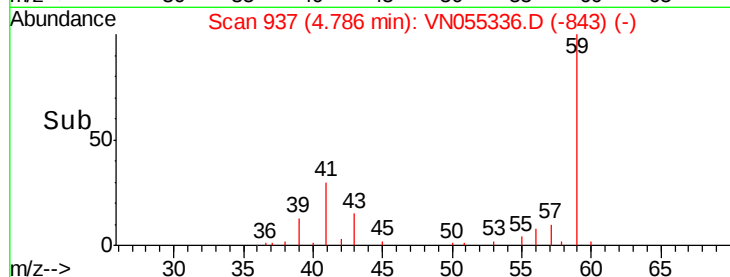
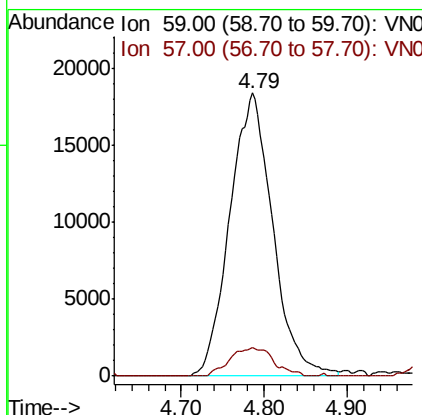
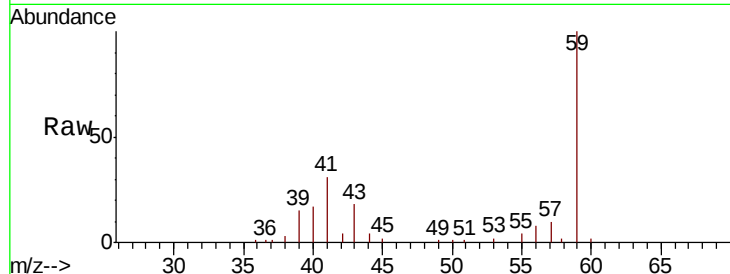
#11
Tert butyl alcohol
Concen: 224.791 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

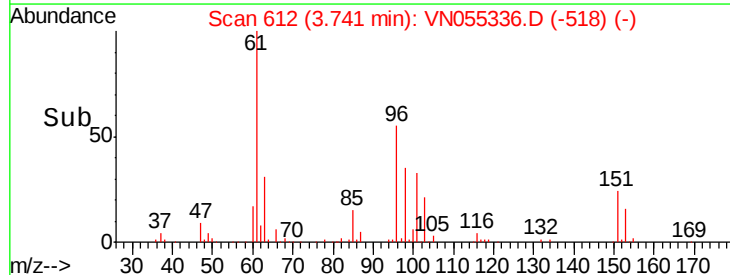
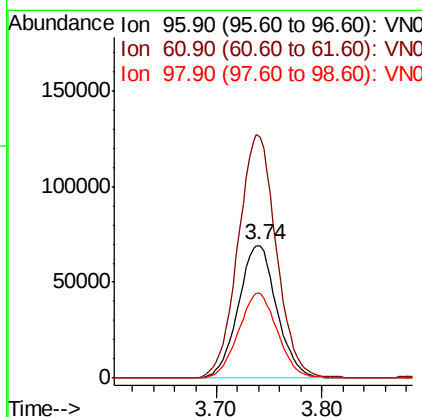
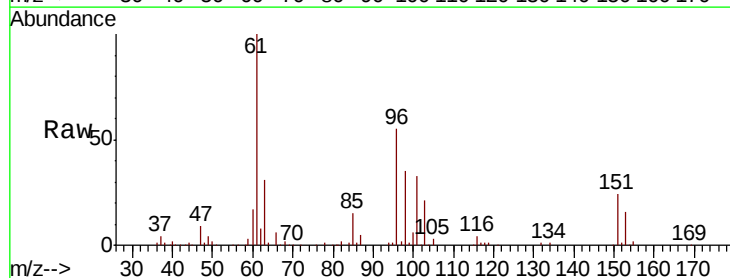
Manual Integrations
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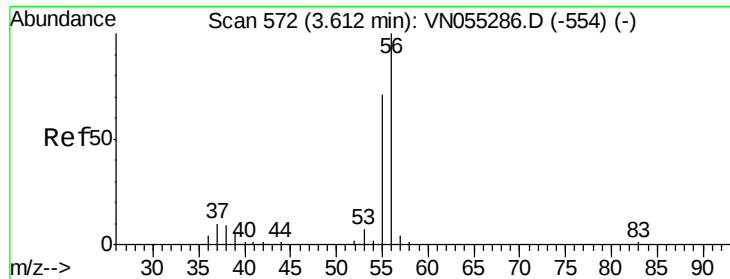
MMDadoda
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#12
1,1-Dichloroethene
Concen: 45.169 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.3	140.9	211.3
98	63.6	50.0	75.0





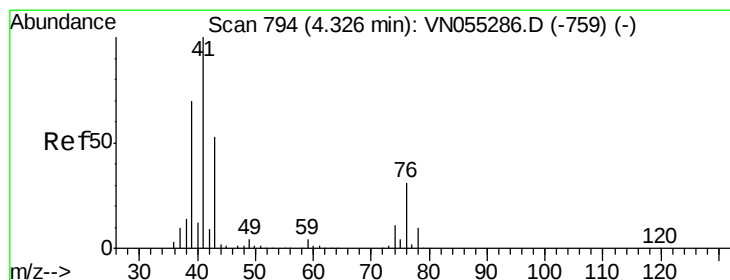
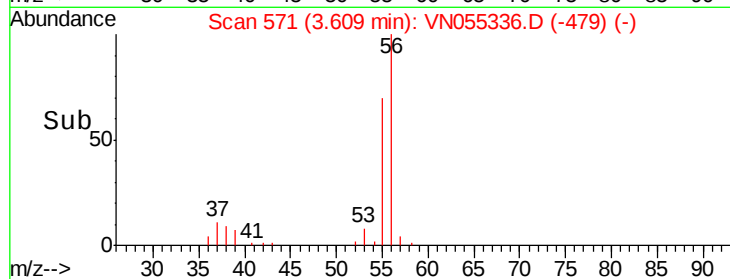
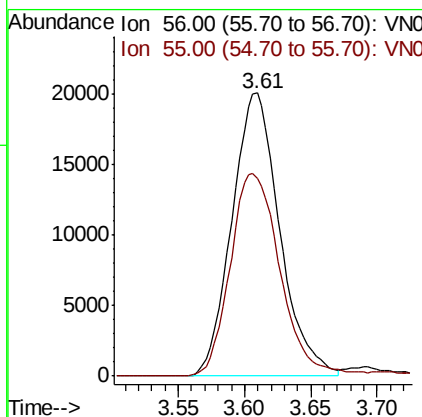
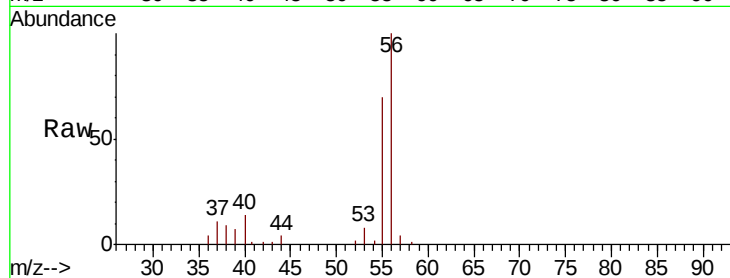
#13
Acrolein
Concen: 219.107 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 50378
Ion Ratio Lower Upper
56 100
55 74.7 57.4 86.2

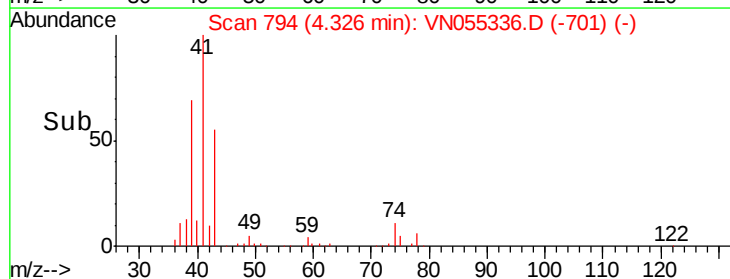
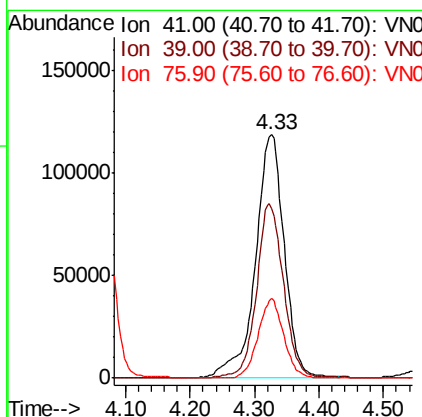
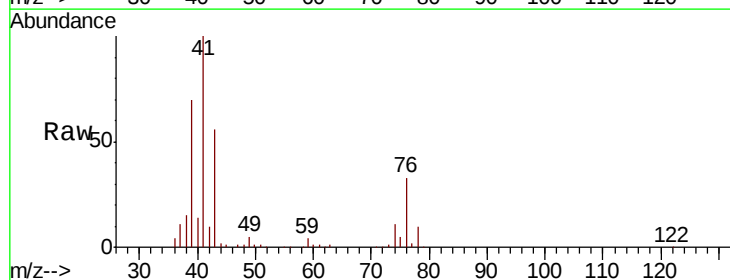
Manual Integrations
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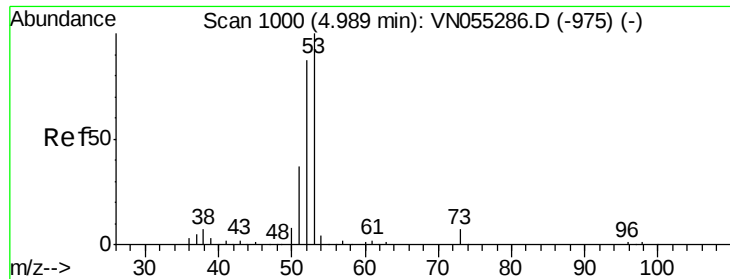
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#14
Allyl chloride
Concen: 46.085 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion: 41 Resp: 370613
Ion Ratio Lower Upper
41 100
39 66.9 53.0 79.6
76 29.0 22.7 34.1





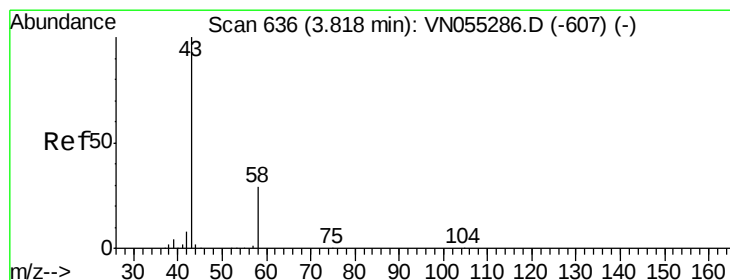
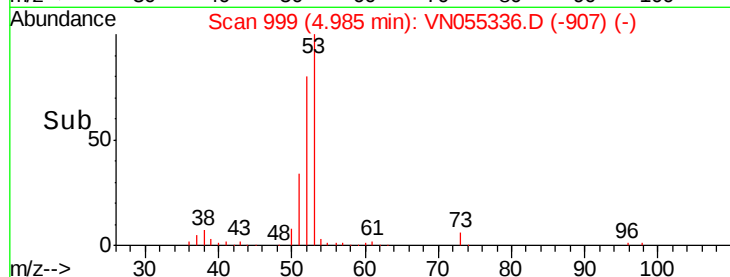
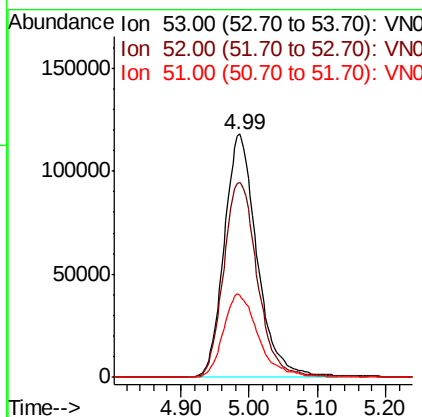
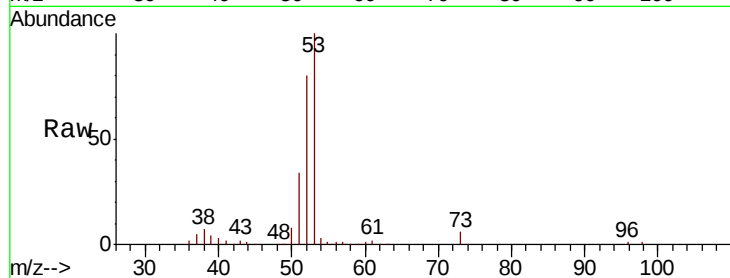
#15
 Acrylonitrile
 Concen: 238.617 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.5	99.7
51	36.1	29.6	44.4

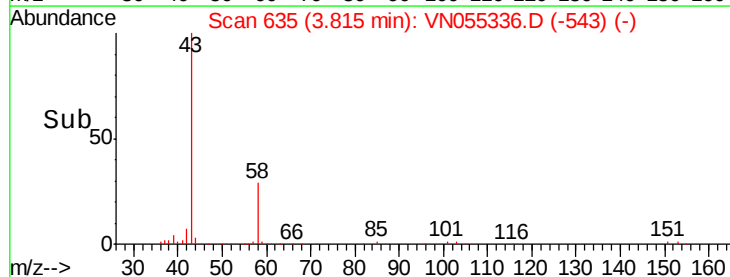
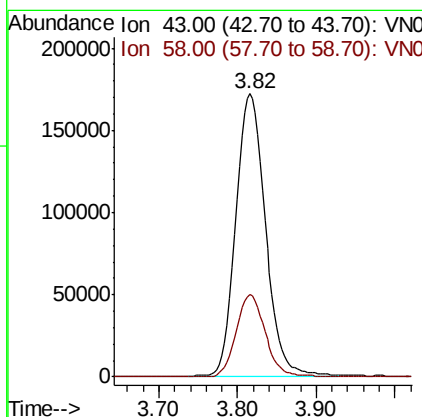
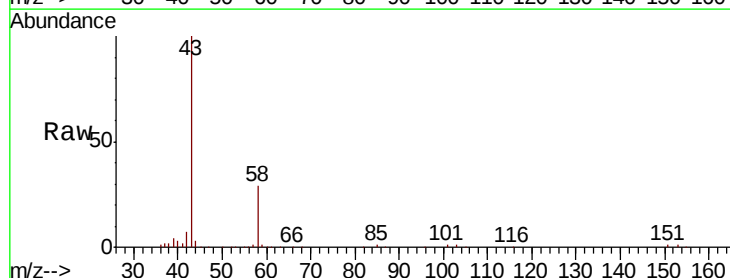
Manual Integrations
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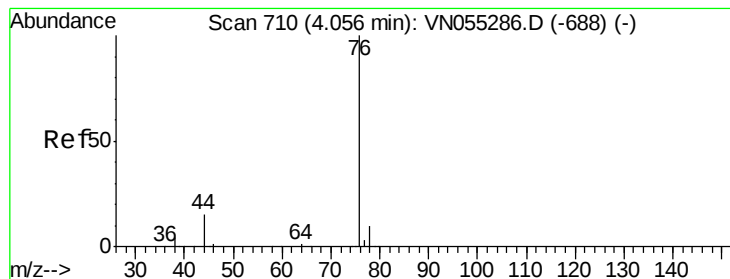
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#16
 Acetone
 Concen: 282.206 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.1	23.6	35.4





#17

Carbon Disulfide

Concen: 45.318 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 459223

Ion Ratio Lower Upper

76 100

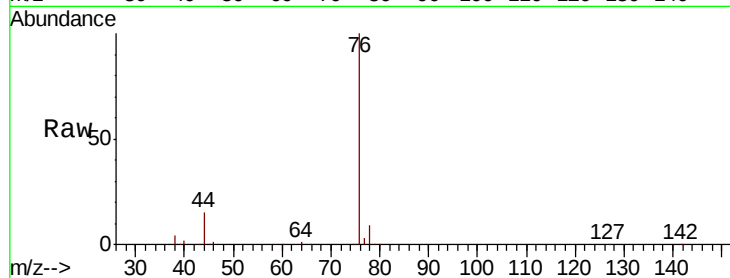
78 9.1 7.6 11.4

Manual Integrations

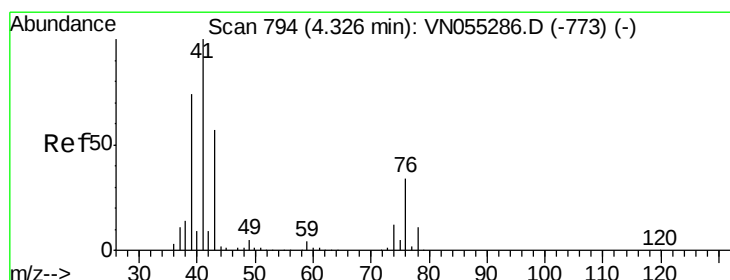
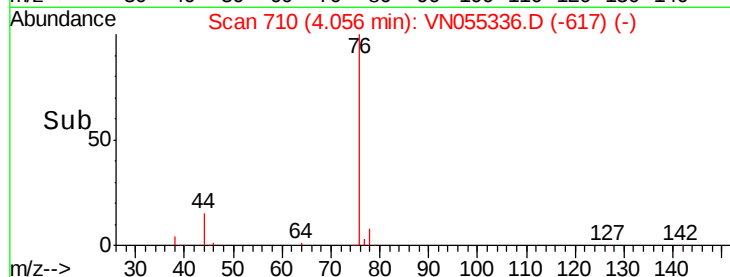
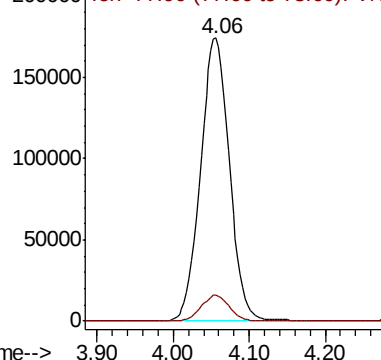
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5/3/2019 1:09:07 PM



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 49.783 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055336.D

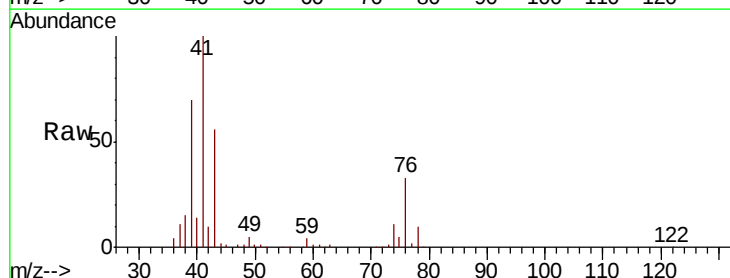
Acq: 2 May 2019 8:58

Tgt Ion: 43 Resp: 194330

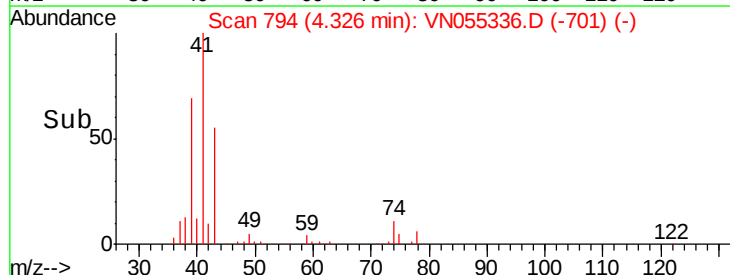
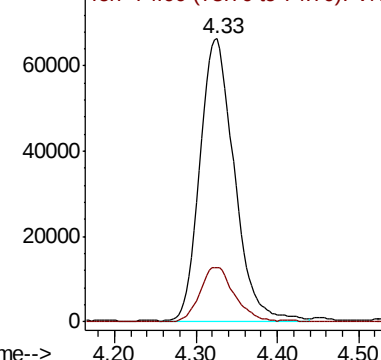
Ion Ratio Lower Upper

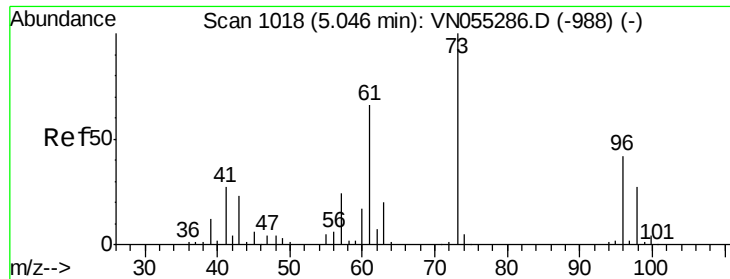
43 100

74 19.5 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





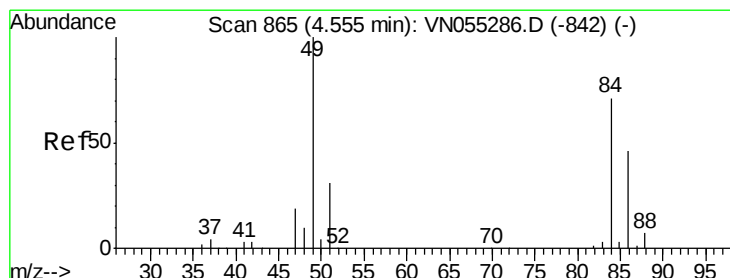
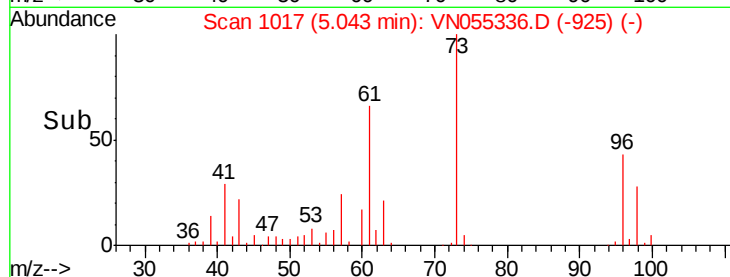
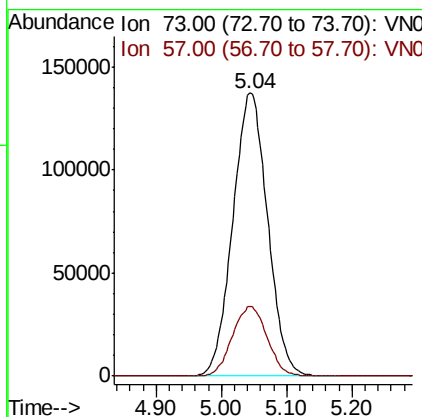
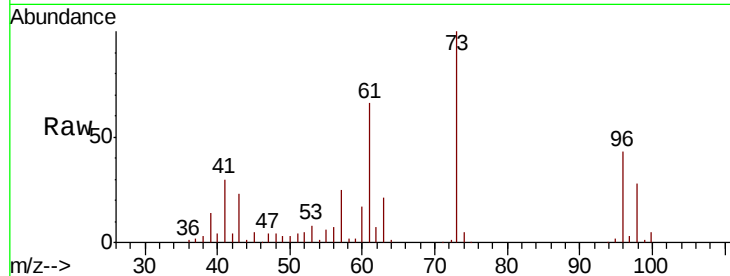
#19
Methyl tert-butyl Ether
Concen: 46.580 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 508465
Ion Ratio Lower Upper
73 100
57 24.8 19.1 28.7

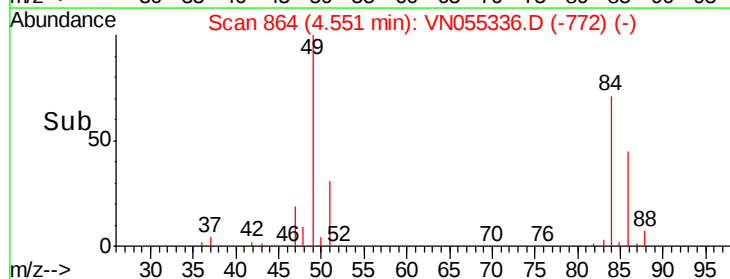
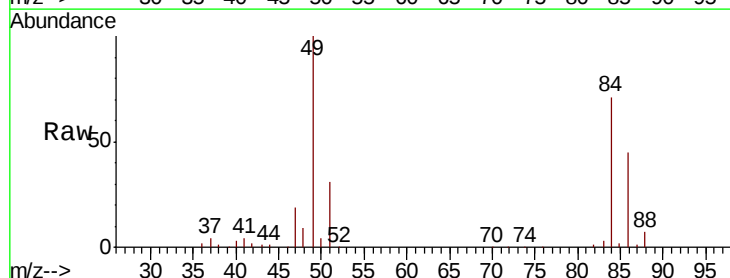
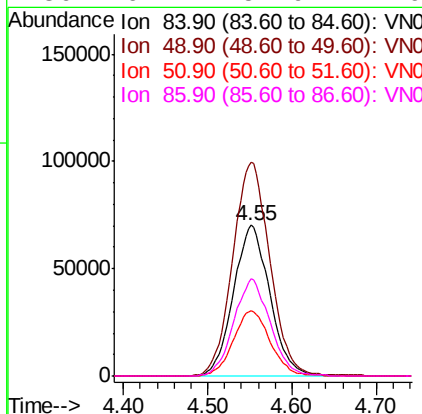
Manual Integrations
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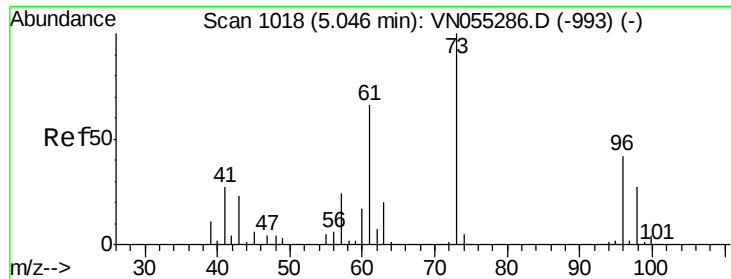
MMDadoda
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#20
Methylene Chloride
Concen: 43.154 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion: 84 Resp: 211053
Ion Ratio Lower Upper
84 100
49 141.6 112.4 168.6
51 43.4 34.6 51.8
86 64.2 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 45.957 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 188988

Ion Ratio Lower Upper

96 100

61 153.6 126.2 189.4

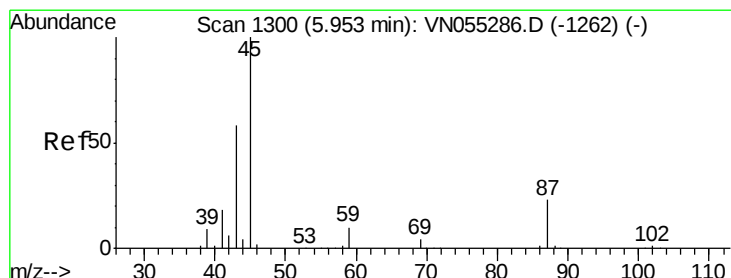
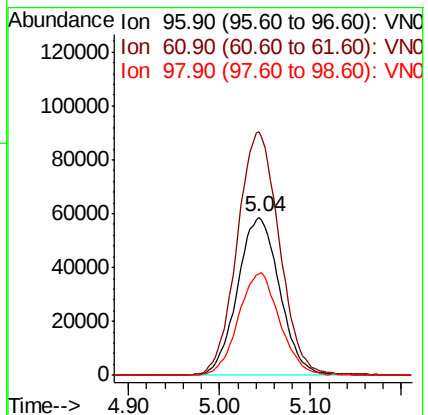
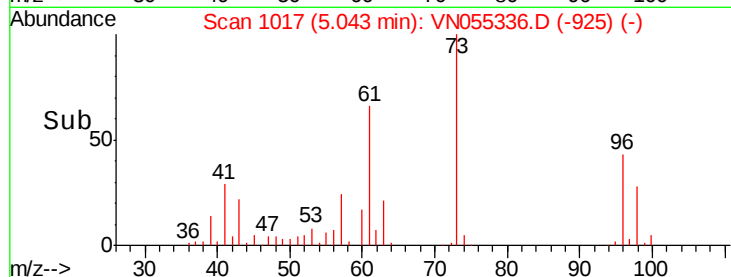
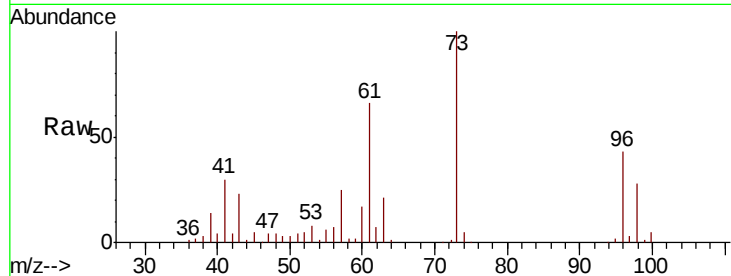
98 64.6 52.2 78.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 48.179 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Tgt Ion: 45 Resp: 769828

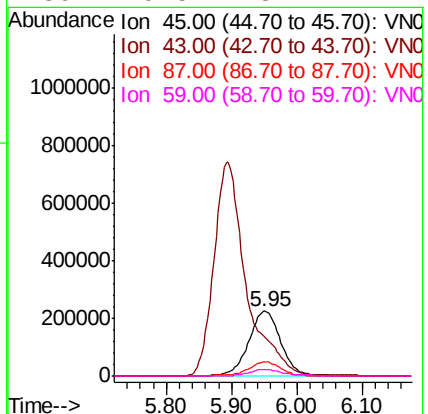
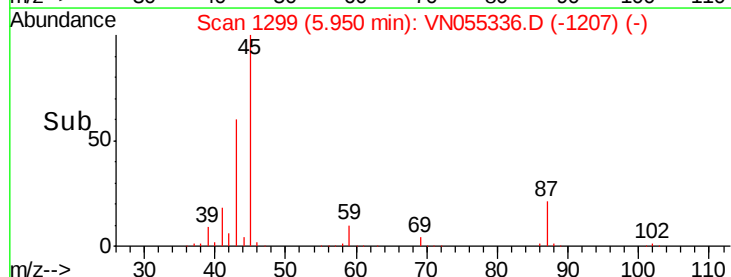
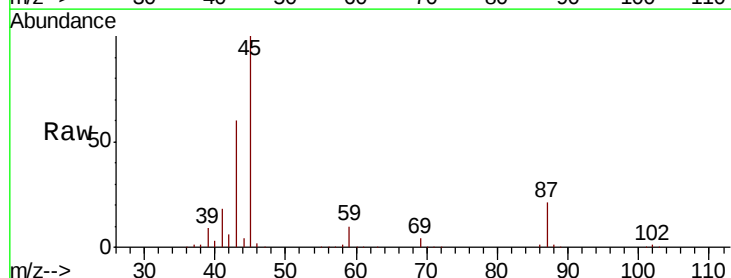
Ion Ratio Lower Upper

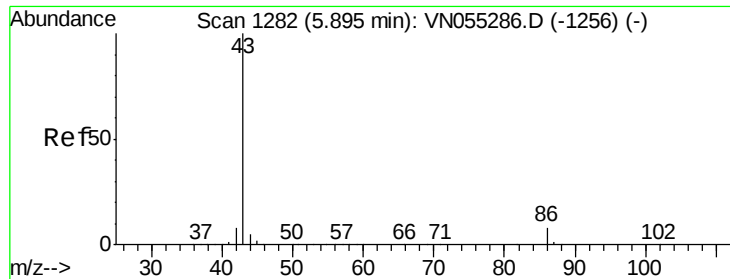
45 100

43 59.2 46.6 70.0

87 21.1 18.1 27.1

59 9.5 8.2 12.2





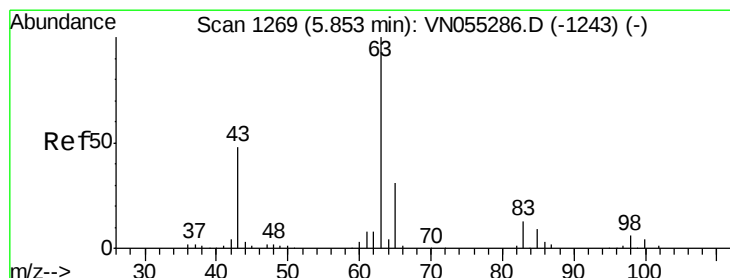
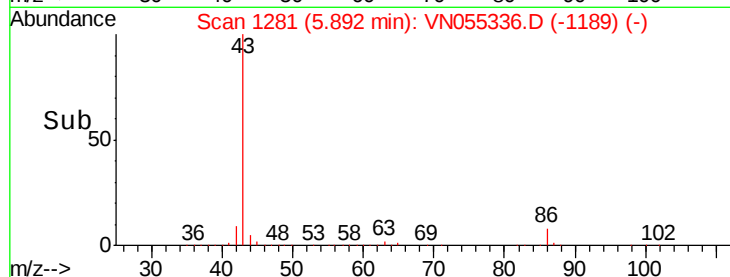
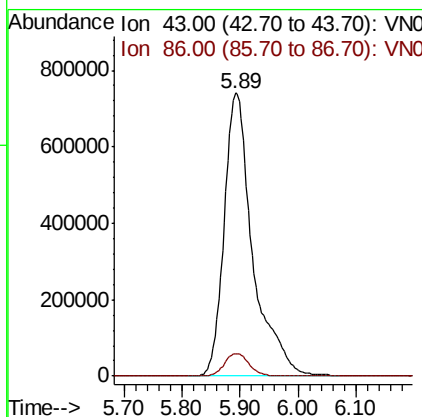
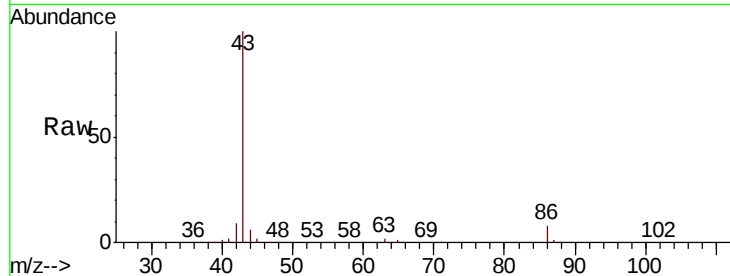
#23
 Vinyl Acetate
 Concen: 242.769 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 2542343
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.6 10.0

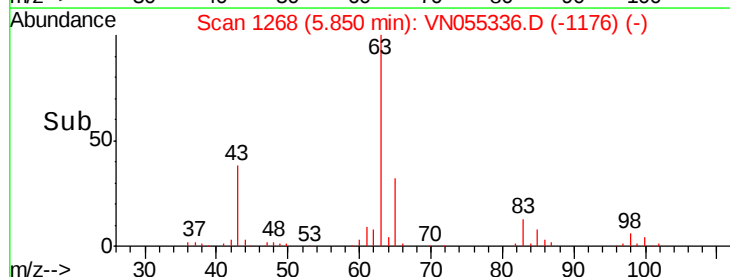
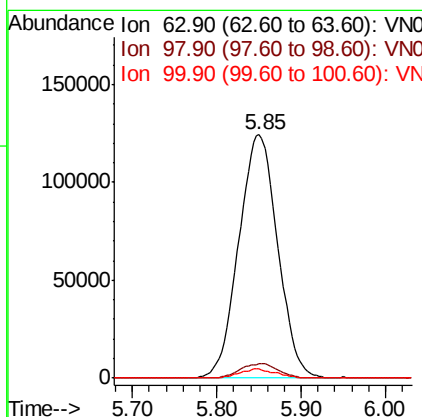
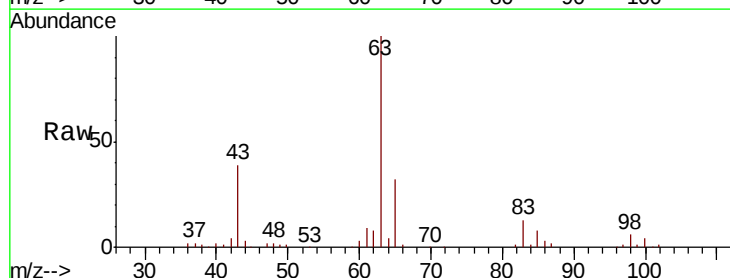
Manual Integrations
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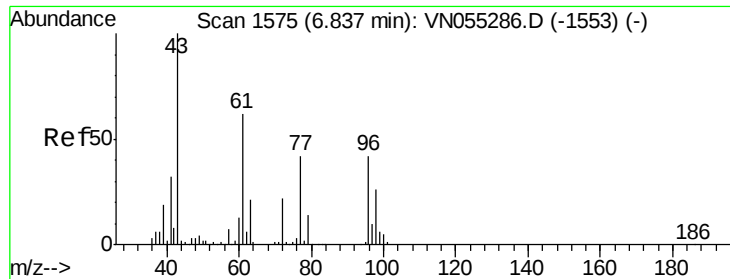
MMDadoda
 5/3/2019 1:09:07 PM



#24
 1,1-Dichloroethane
 Concen: 46.802 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Tgt Ion: 63 Resp: 398448
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.0
 100 3.7 1.8 5.4





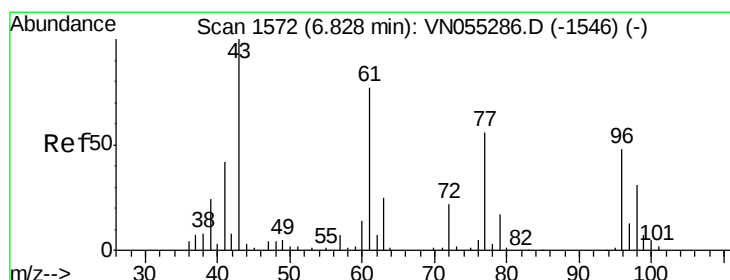
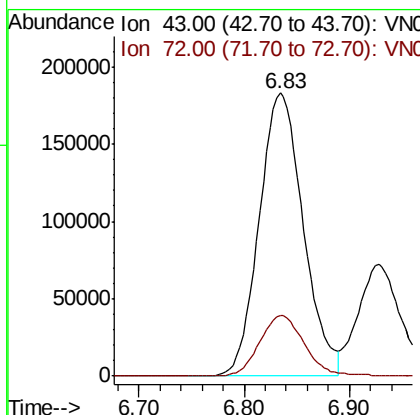
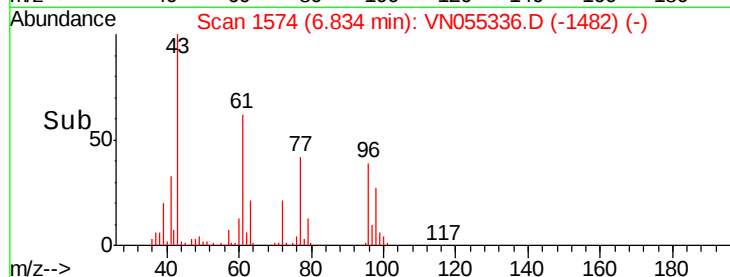
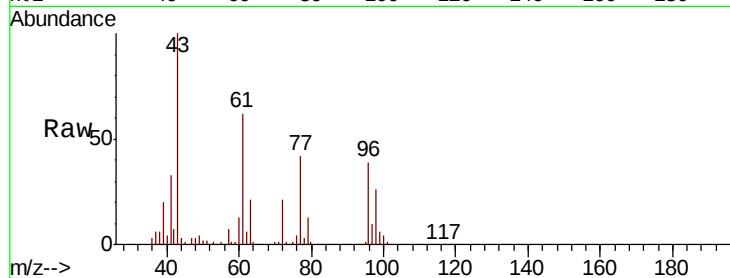
#25
2-Butanone
Concen: 258.594 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 529885
Ion Ratio Lower Upper
43 100
72 21.4 18.0 27.0

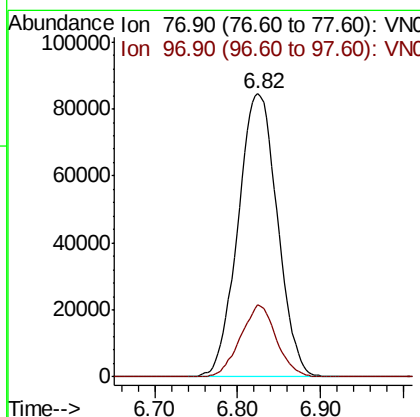
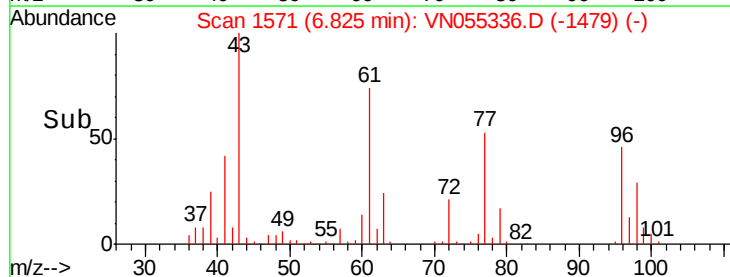
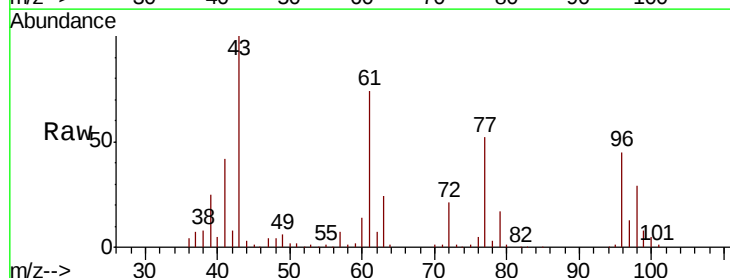
Manual Integrations
APPROVED

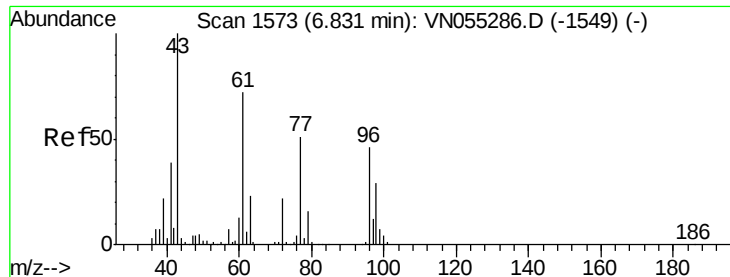
MMDadoda
5/3/2019 1:09:07 PM



#26
2,2-Dichloropropane
Concen: 47.408 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion: 77 Resp: 278710
Ion Ratio Lower Upper
77 100
97 23.2 11.4 34.2





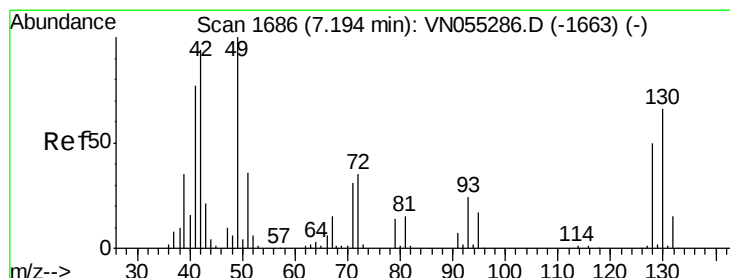
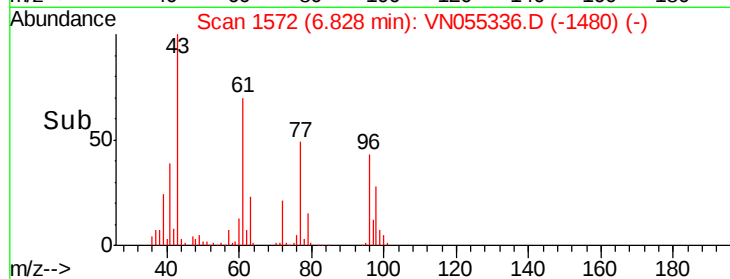
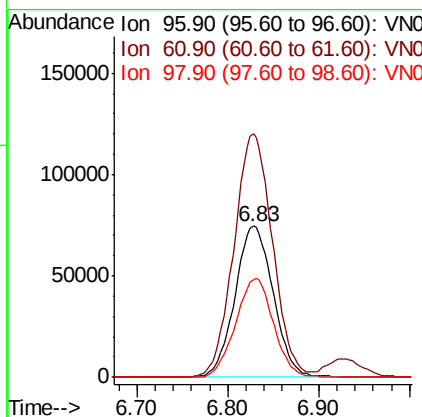
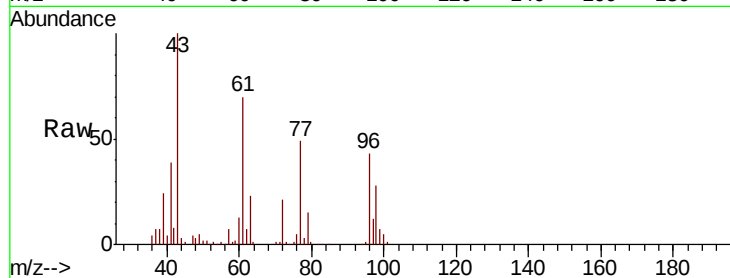
#27
 cis-1,2-Dichloroethene
 Concen: 46.636 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	218089		
61	162.0	0.0	316.2	
98	64.9	0.0	126.6	

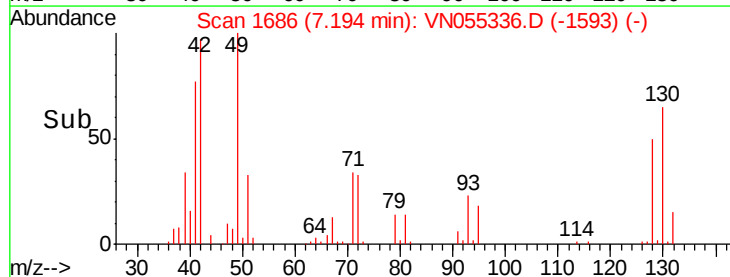
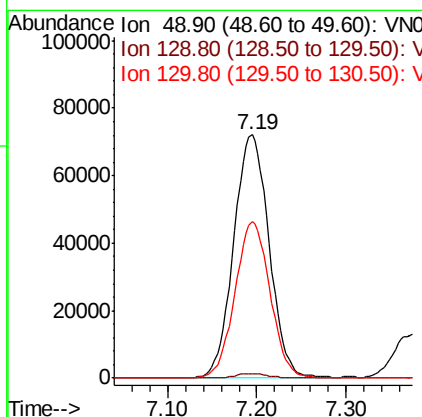
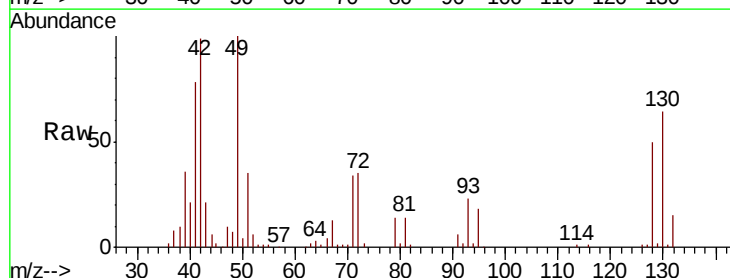
Manual Integrations
 APPROVED

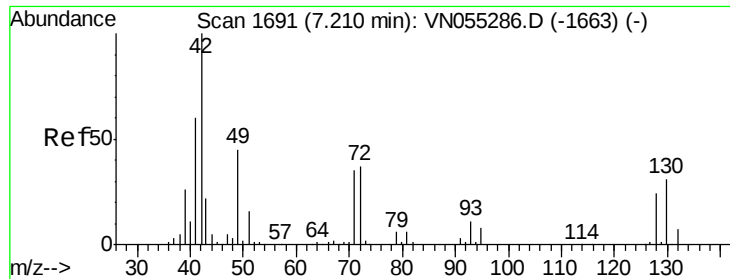
MMDadoda
 5/3/2019 1:09:07 PM



#28
 Bromochloromethane
 Concen: 46.356 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	198931		
129	1.7	0.0	2.4	
130	63.4	52.0	78.0	





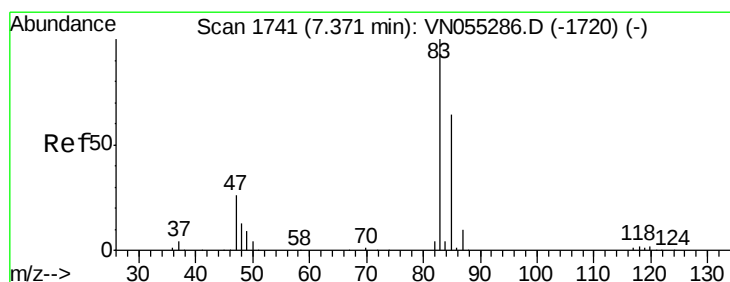
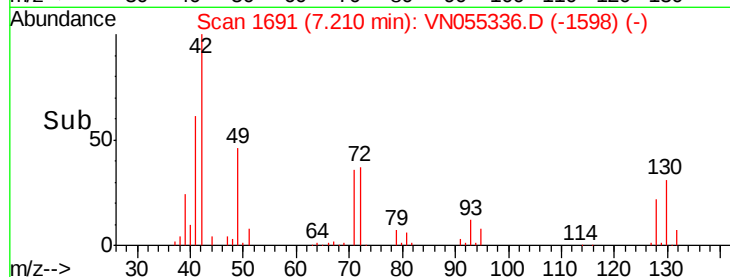
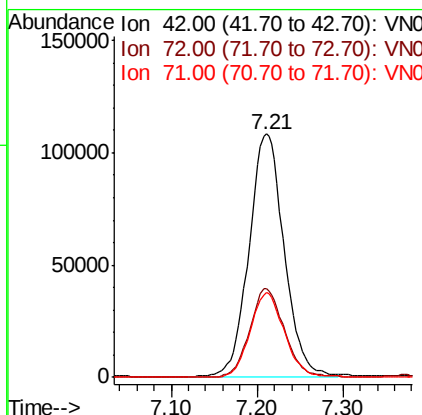
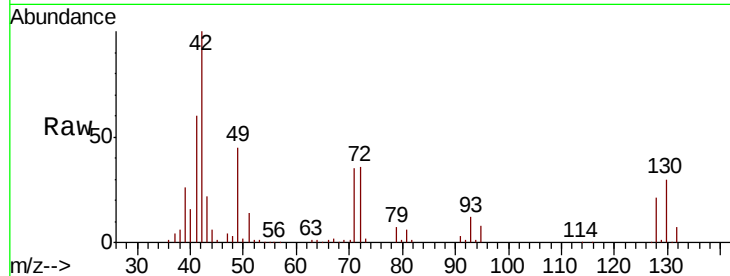
#29
Tetrahydrofuran
Concen: 234.971 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.0	29.0	43.6
71	33.9	27.1	40.7

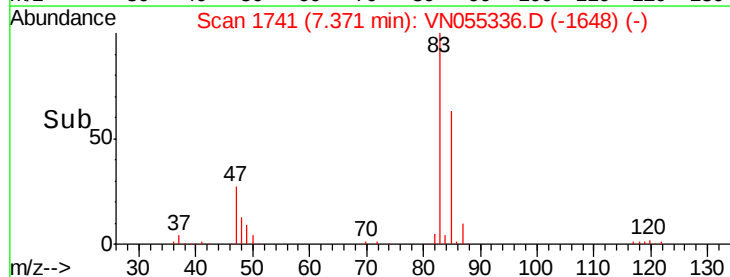
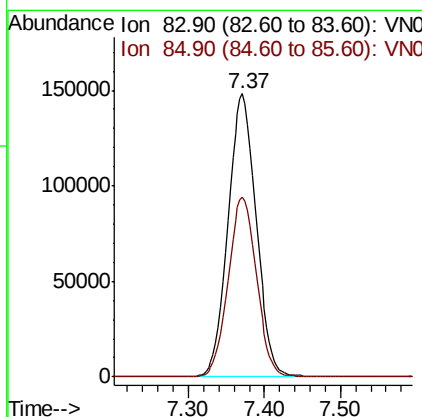
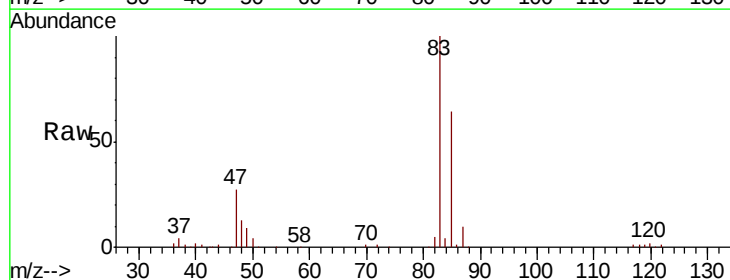
Manual Integrations
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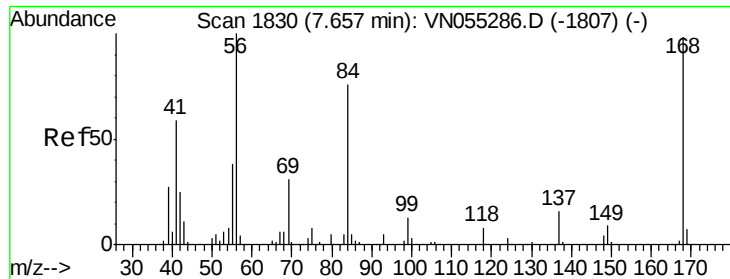
MMDadoda
5/3/2019 1:09:07 PM



#30
Chloroform
Concen: 47.408 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.2





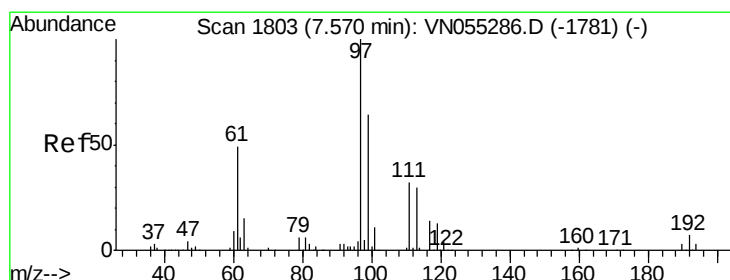
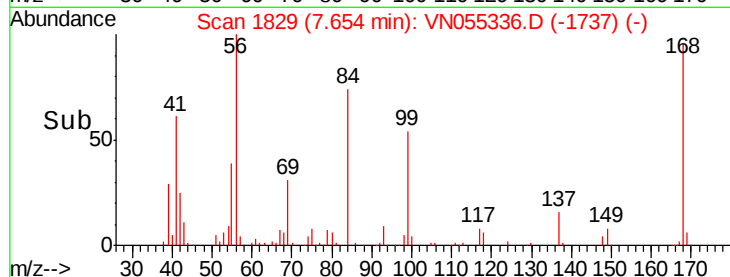
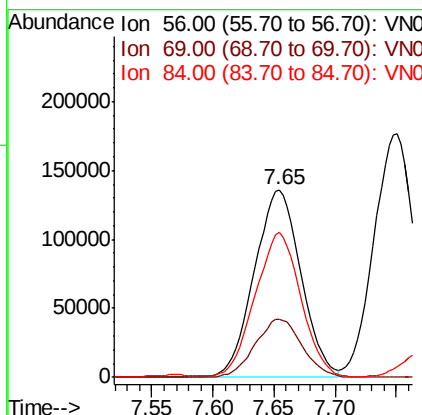
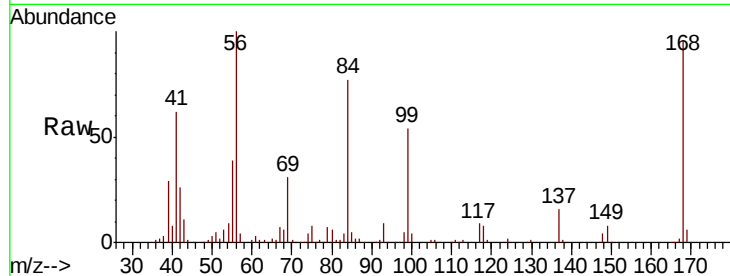
#31
Cyclohexane
Concen: 44.697 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.2	37.8
84	76.5	61.1	91.7

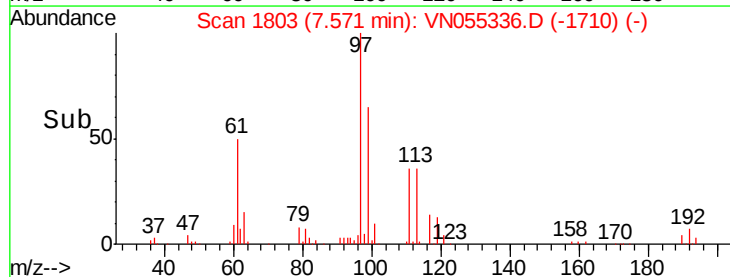
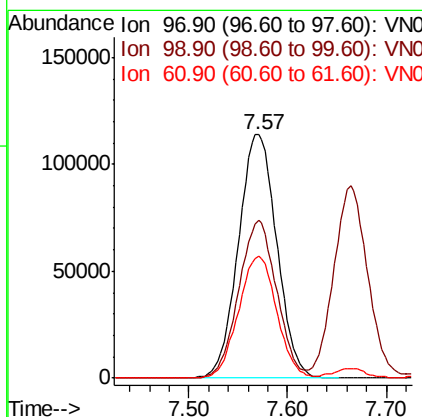
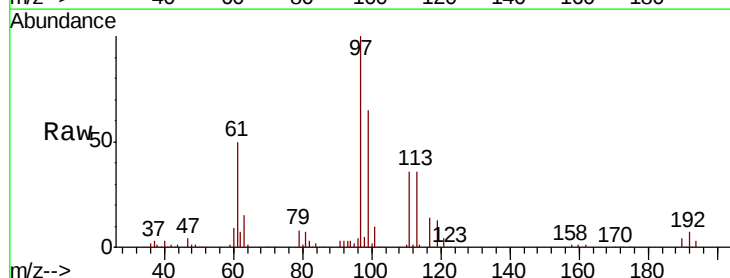
Manual Integrations
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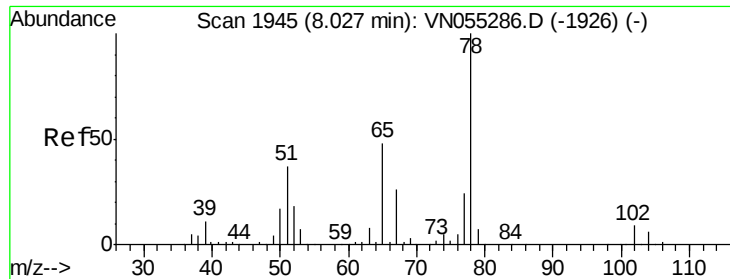
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 46.769 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.8	77.8
61	49.9	39.0	58.6





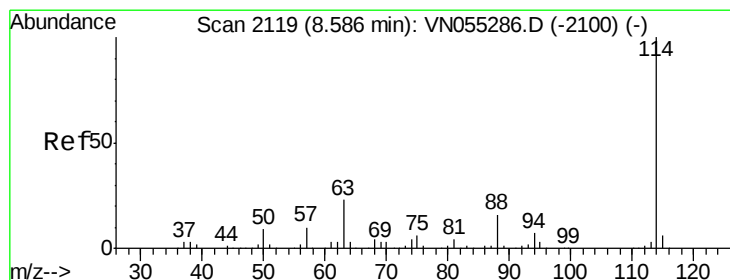
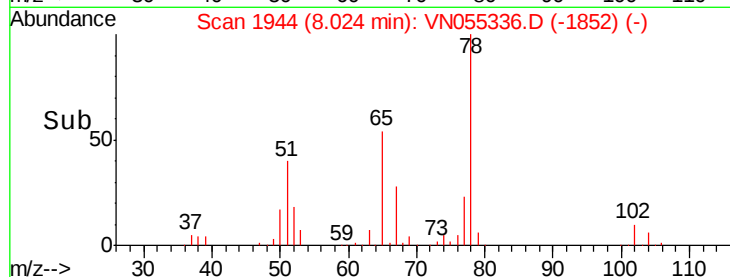
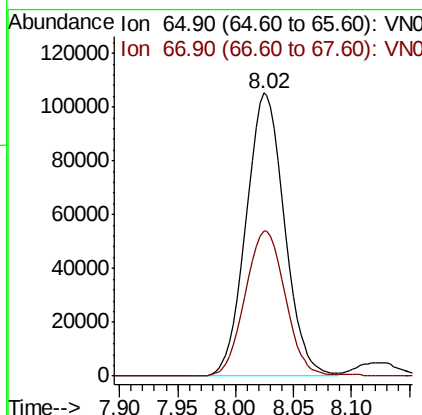
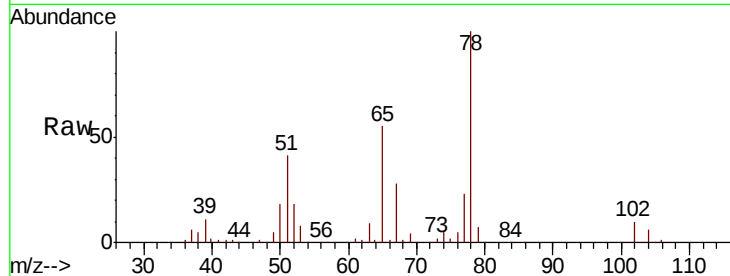
#33
 1,2-Dichloroethane-d4
 Concen: 47.289 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 243176
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.8

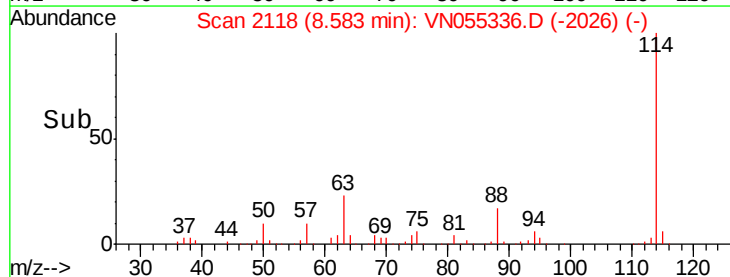
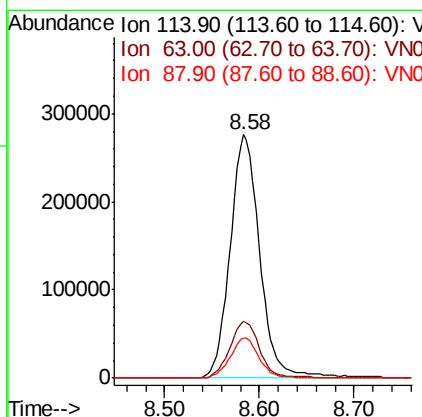
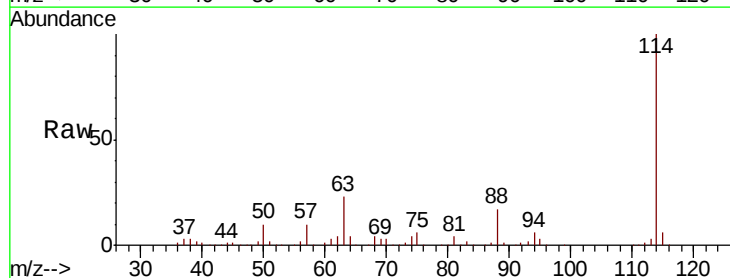
Manual Integrations
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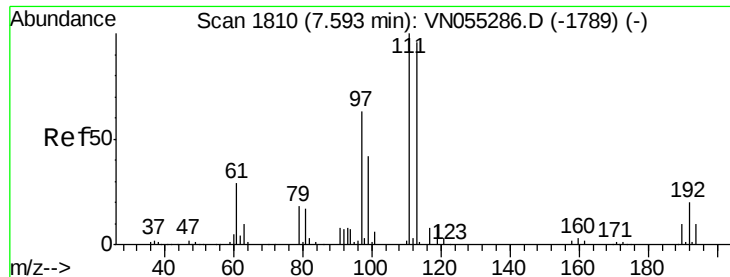
MMDadoda
 5/3/2019 1:09:07 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Tgt Ion: 114 Resp: 599362
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.2
 88 16.6 0.0 31.6





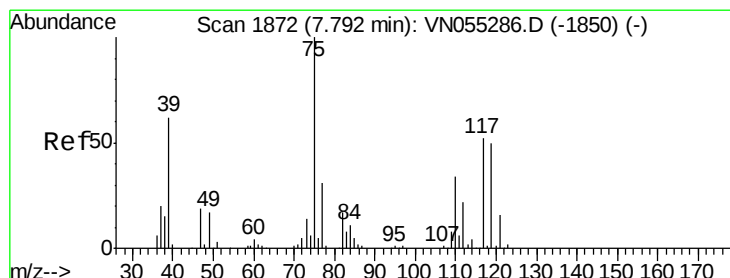
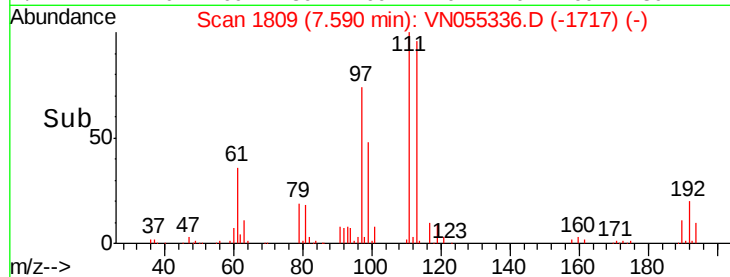
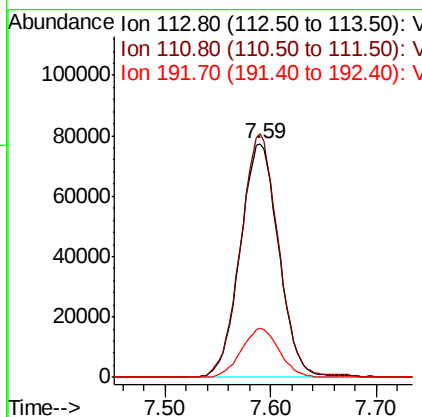
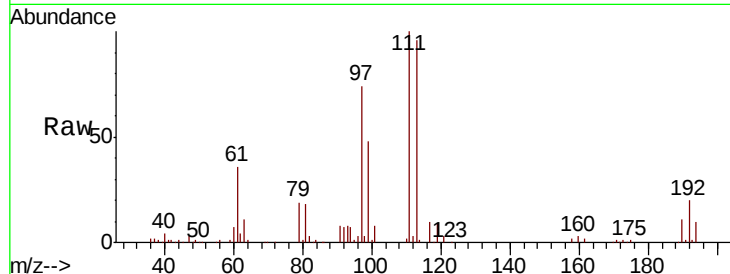
#35
 Dibromofluoromethane
 Concen: 49.897 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	196294		
111	103.1	82.3	123.5	
192	20.6	17.0	25.6	

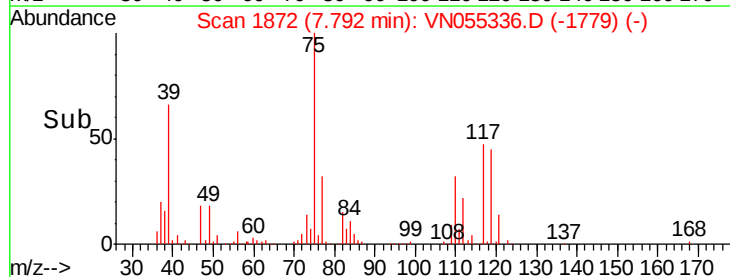
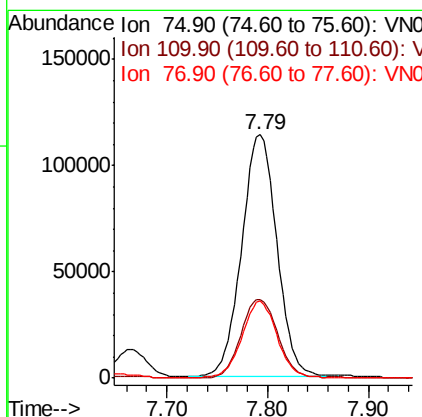
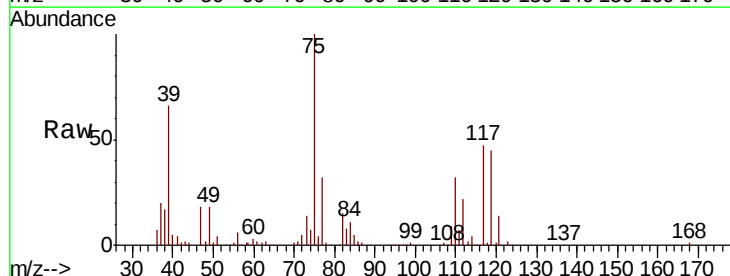
Manual Integrations
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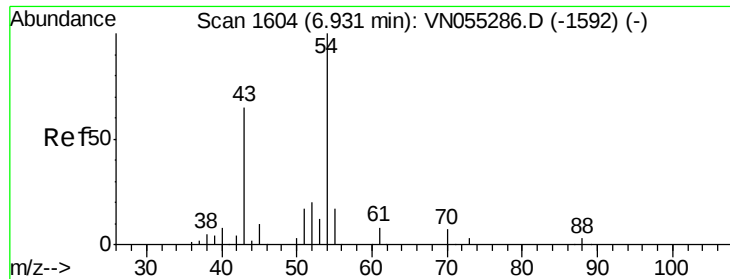
MMDadoda
 5/3/2019 1:09:07 PM



#36
 1,1-Dichloropropene
 Concen: 48.361 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	277637		
110	33.7	16.8	50.4	
77	31.6	25.0	37.6	





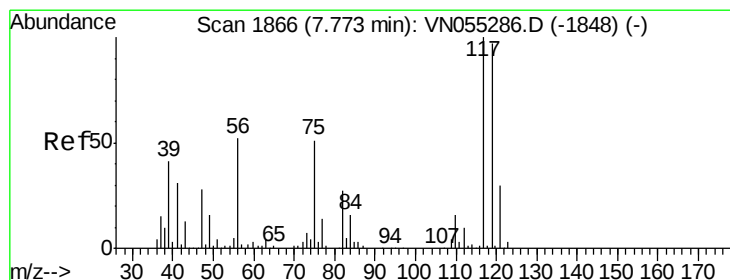
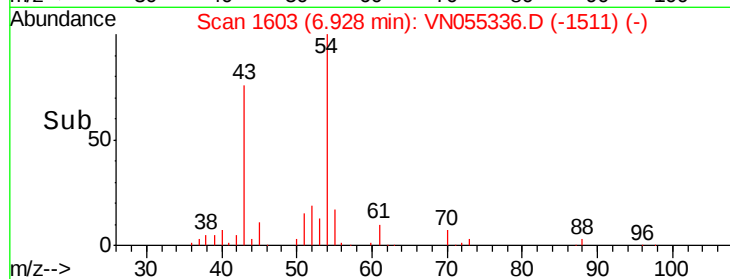
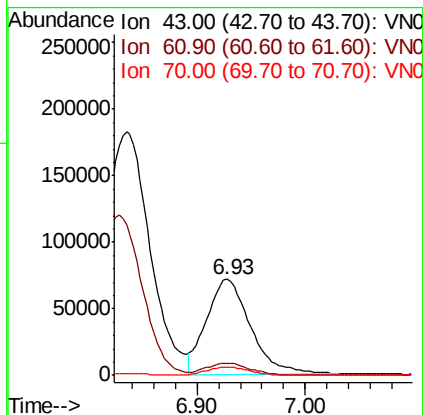
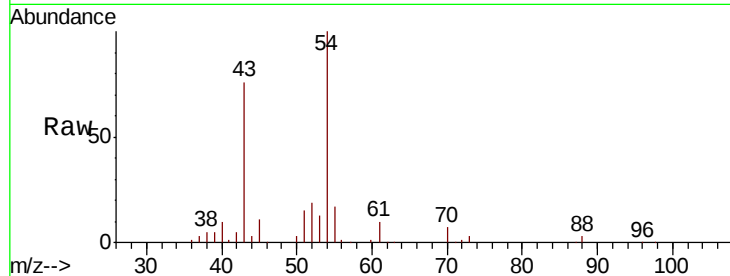
#37
Ethyl Acetate
Concen: 45.654 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.4	15.6
70	8.2	6.6	10.0

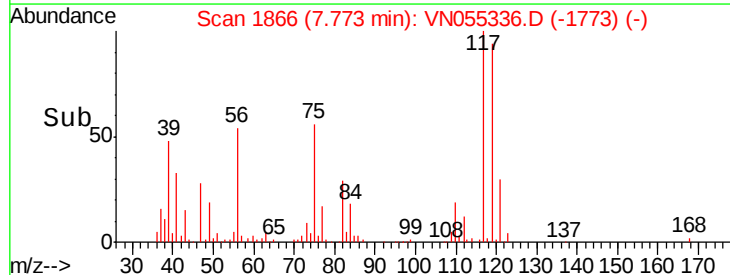
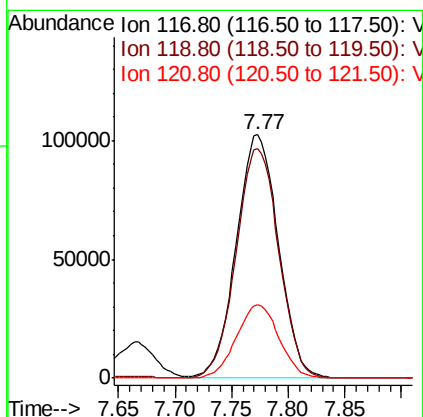
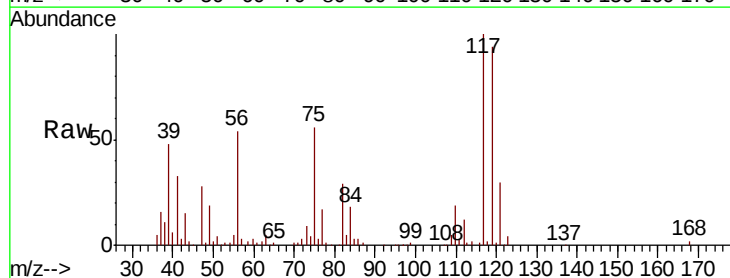
Manual Integrations
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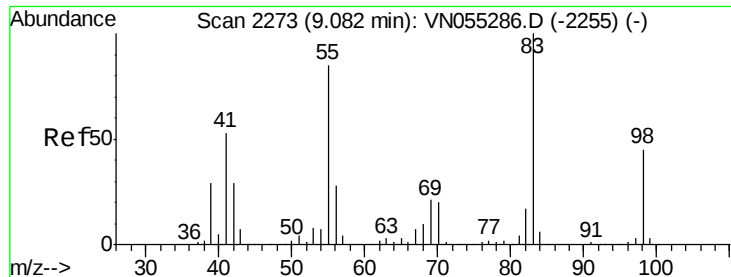
MMDadoda
5/3/2019 1:09:07 PM



#38
Carbon Tetrachloride
Concen: 47.690 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.0	115.6
121	30.2	23.8	35.8





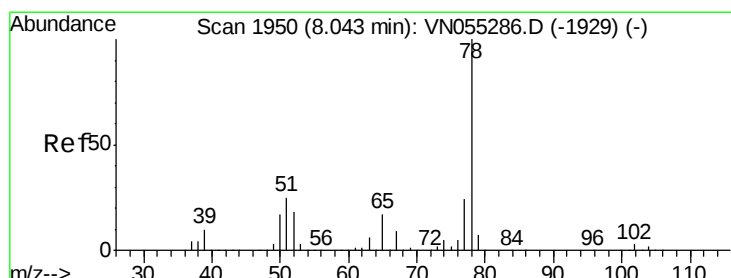
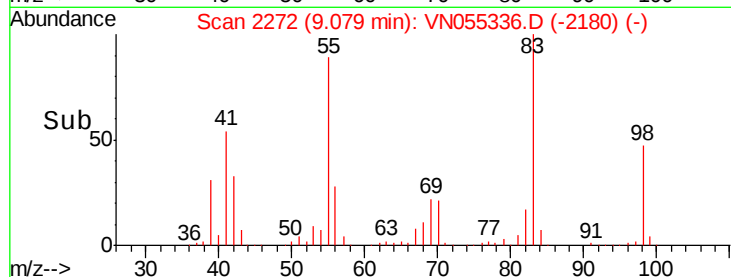
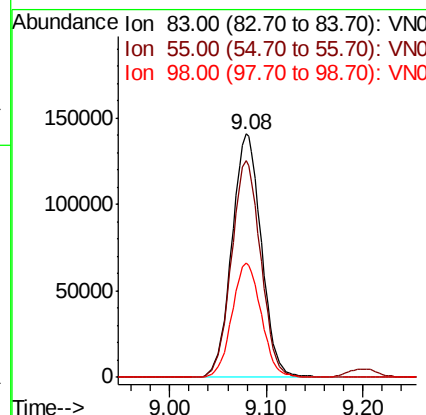
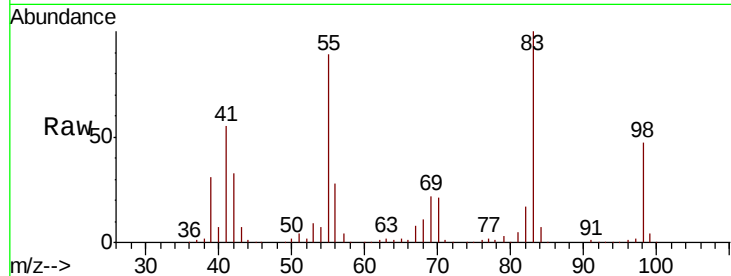
#39
Methylcyclohexane
Concen: 48.810 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	297933		
55	89.0	67.8	101.6	
98	47.0	36.2	54.4	

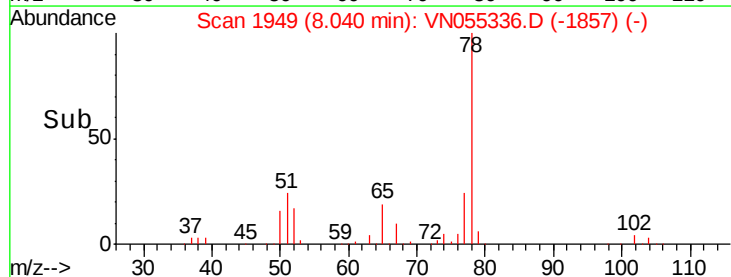
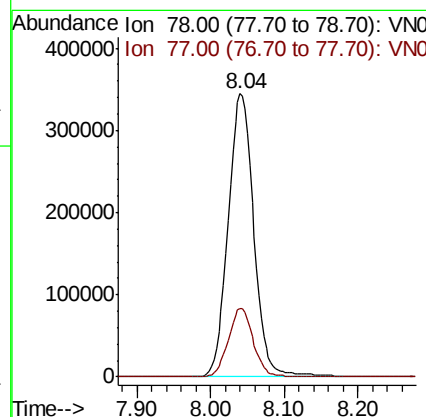
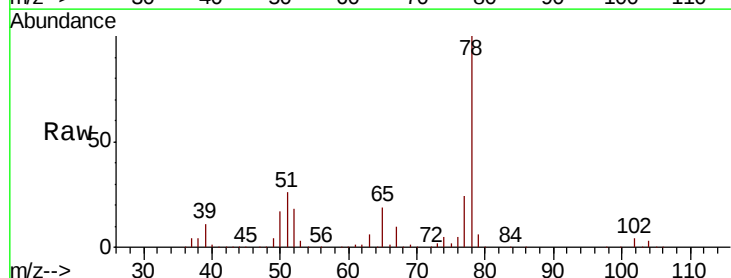
Manual Integrations
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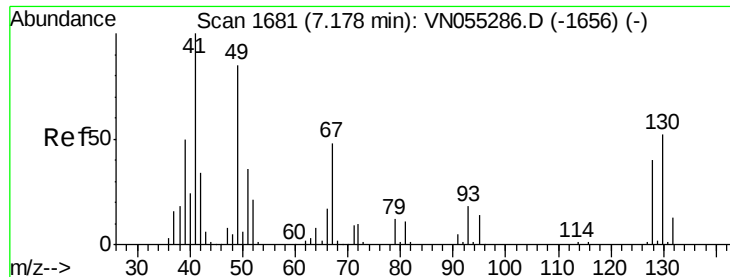
MMDadoda
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#40
Benzene
Concen: 49.271 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	833862		
77	24.2	19.0	28.6	





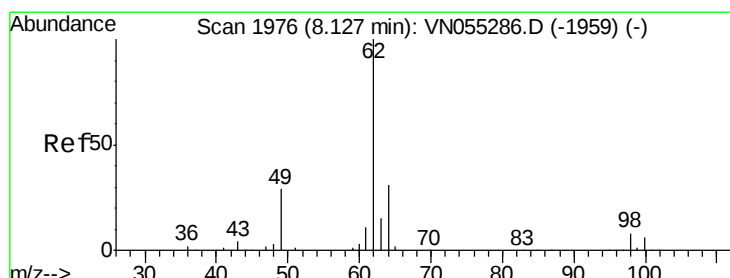
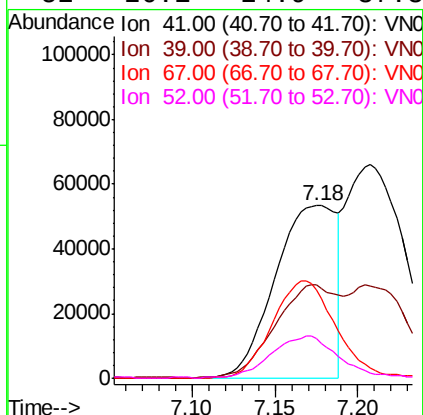
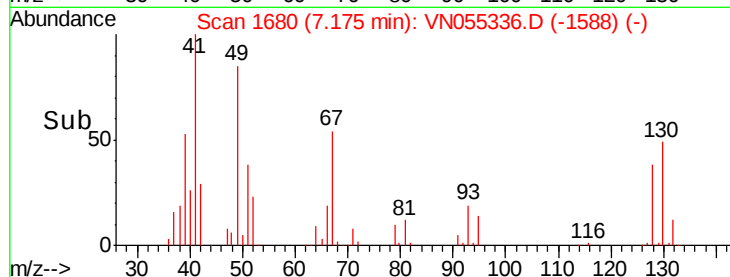
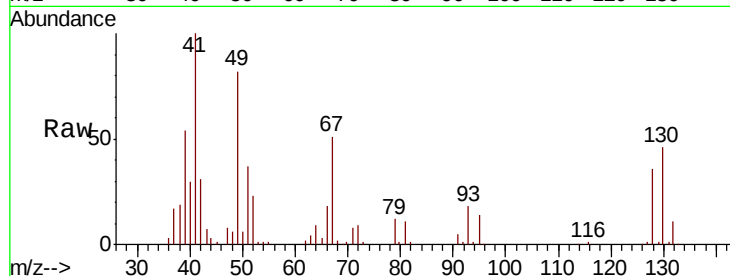
#41
Methacrylonitrile
Concen: 57.533 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.7	48.5	72.7	
67	58.9	54.9	82.3	
52	26.1	24.9	37.3	

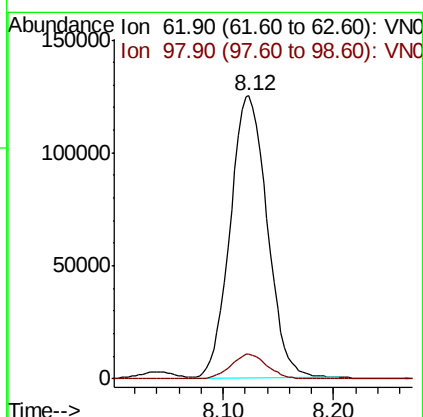
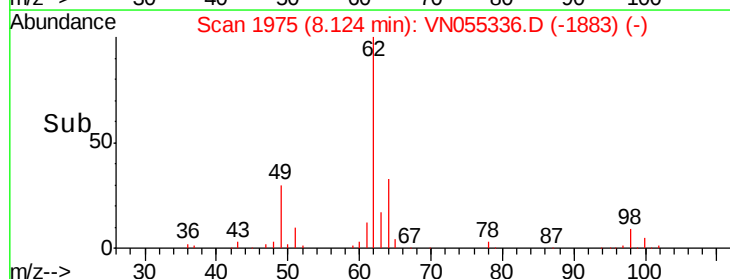
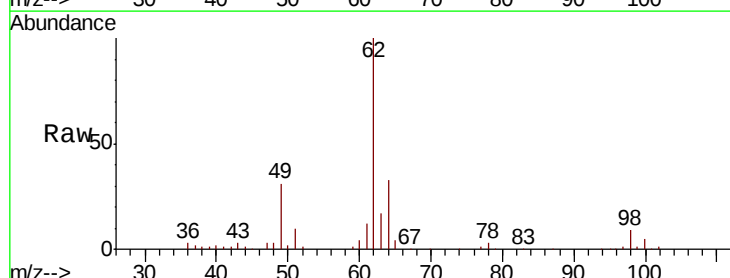
Manual Integrations
APPROVED

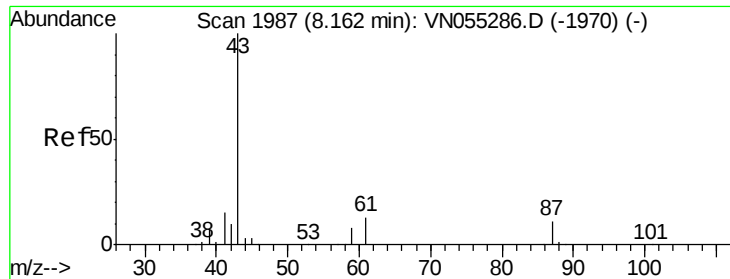
MMDadoda
5/3/2019 1:09:07 PM



#42
1,2-Dichloroethane
Concen: 48.391 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	16.4	





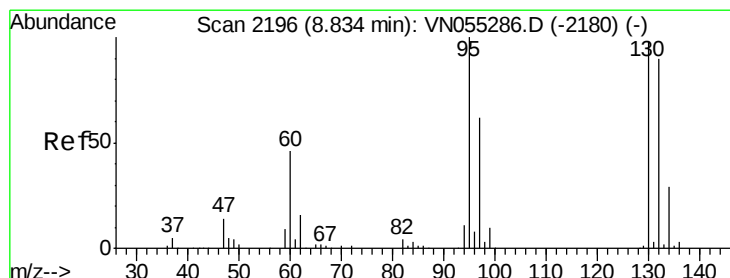
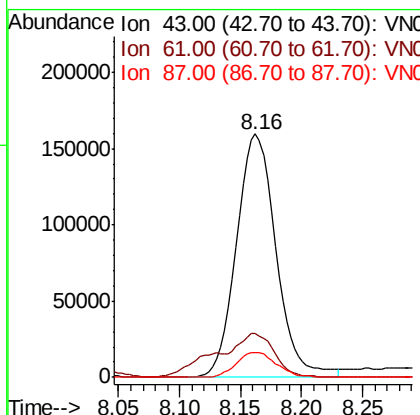
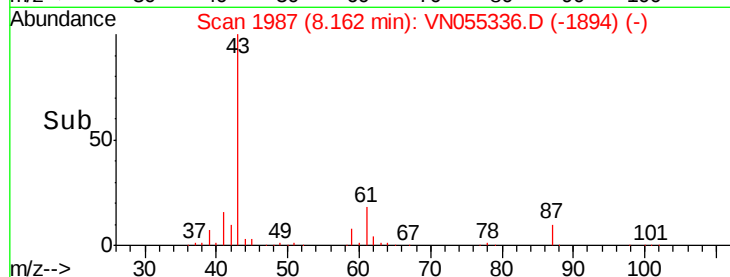
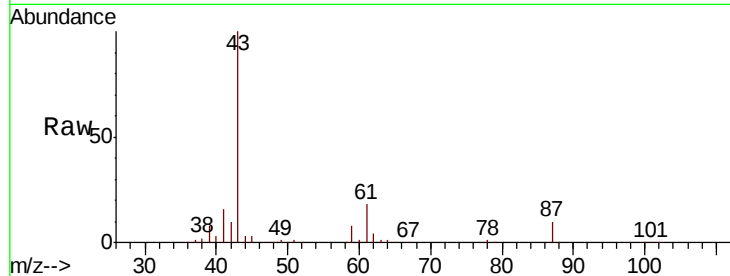
#43
Isopropyl Acetate
Concen: 50.564 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.8	20.8	31.2#
87	10.6	8.5	12.7

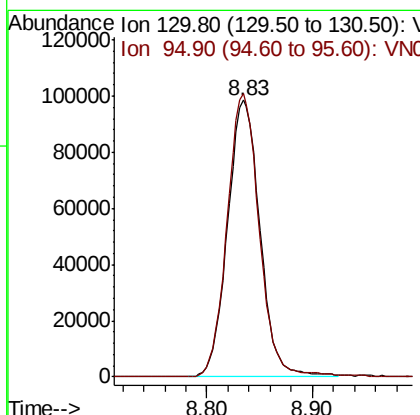
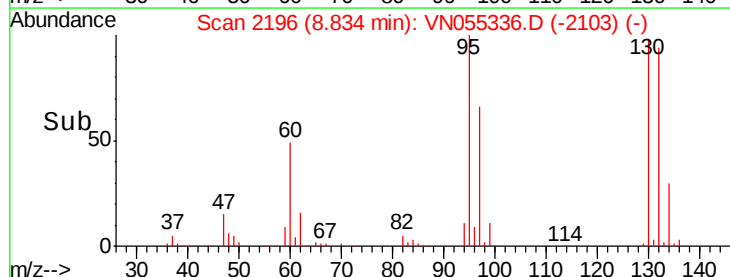
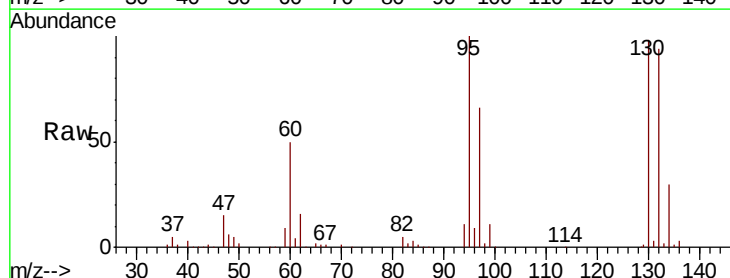
Manual Integrations
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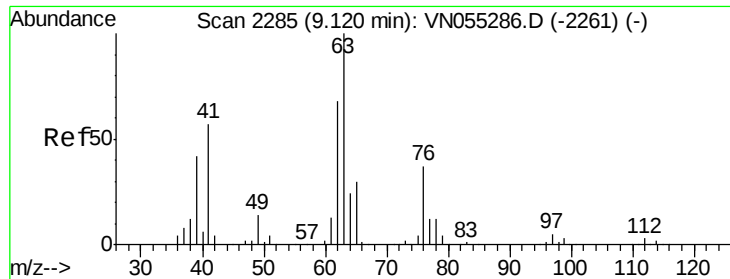
MMDadoda
5/3/2019 1:09:07 PM



#44
Trichloroethene
Concen: 48.562 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	203.4





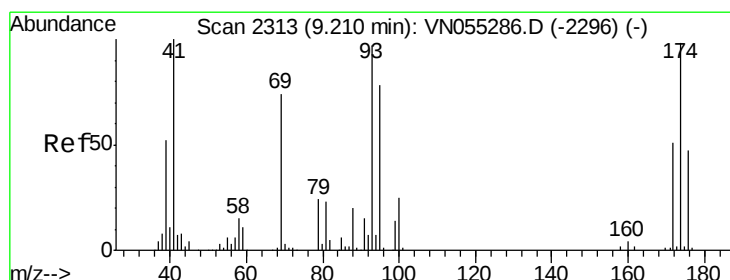
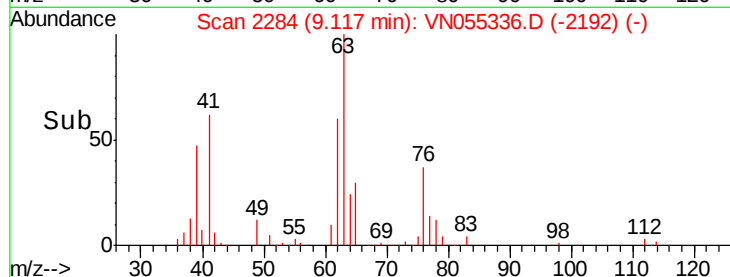
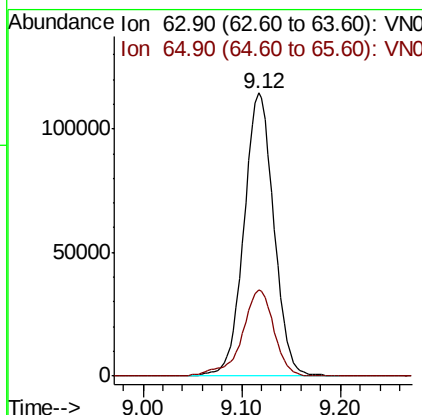
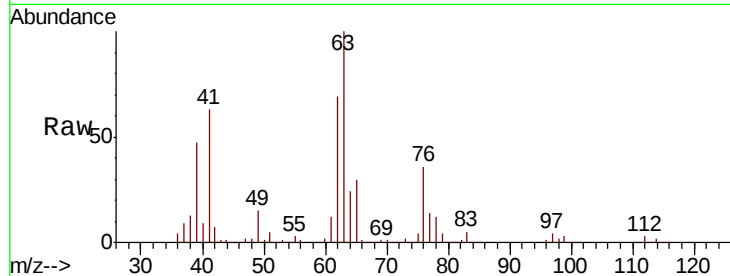
#45
 1,2-Dichloropropane
 Concen: 49.058 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion: 63 Resp: 239460
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.9 35.9

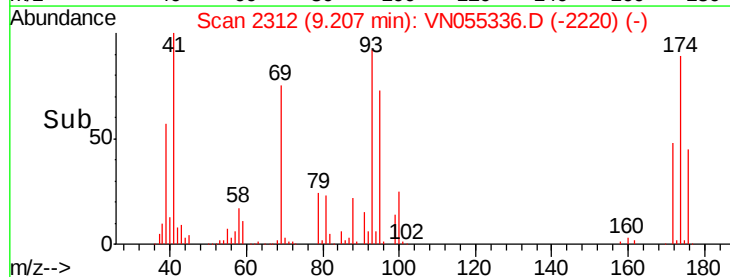
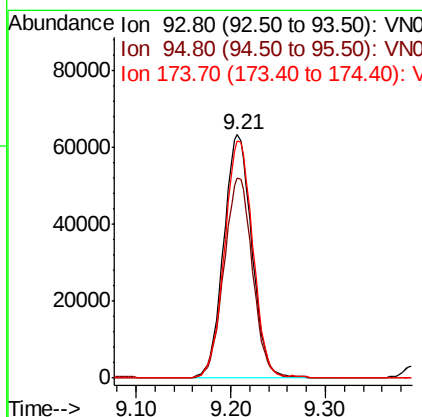
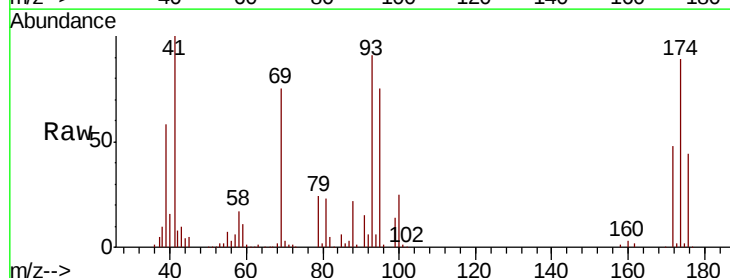
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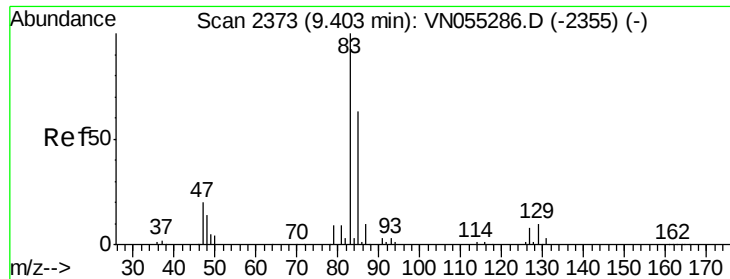
MMDadoda
 5/3/2019 1:09:07 PM



#46
 Dibromomethane
 Concen: 49.281 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Tgt Ion: 93 Resp: 131484
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.7 98.5
 174 97.6 81.5 122.3





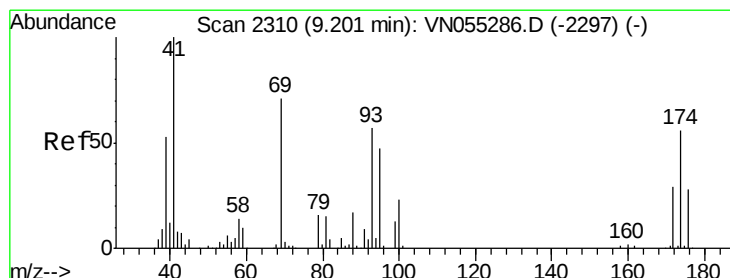
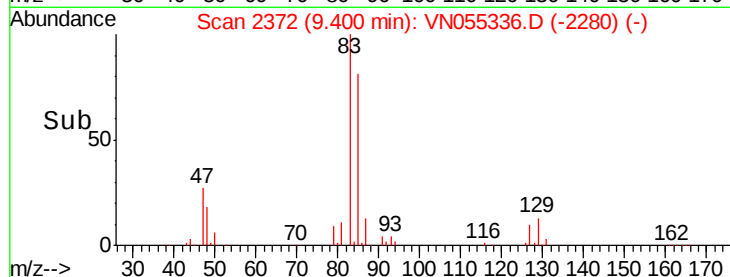
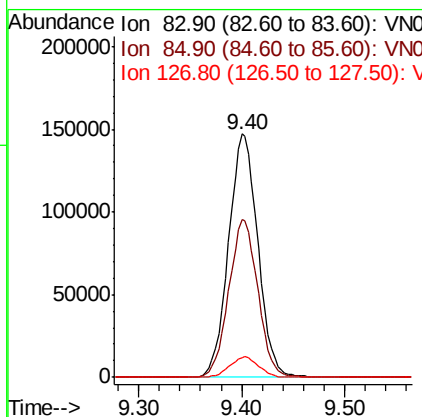
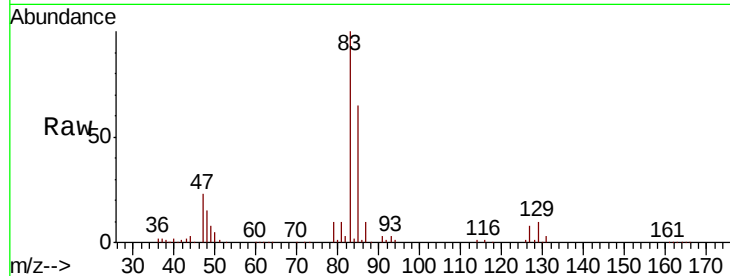
#47
Bromodichloromethane
Concen: 50.841 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	291002		
85	65.0	50.1	75.1	
127	8.3	6.7	10.1	

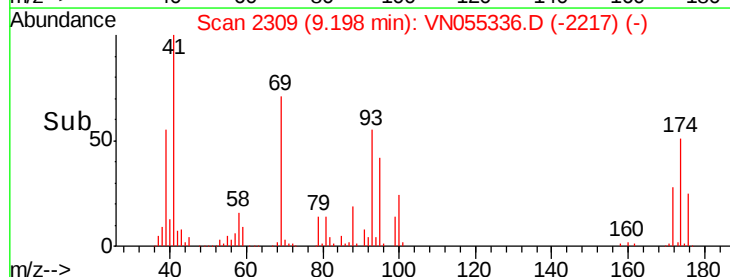
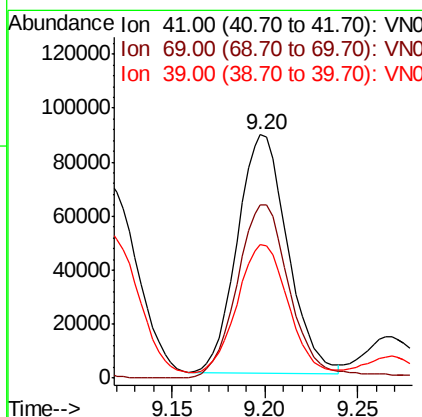
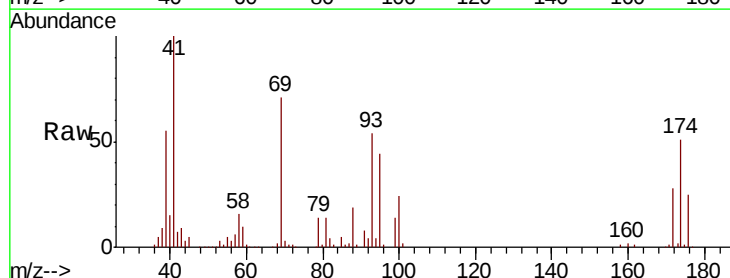
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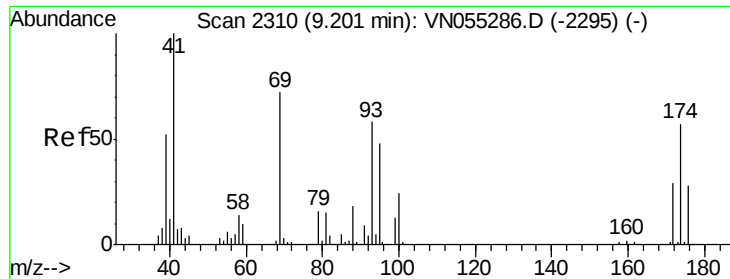
MMDadoda
5/3/2019 1:09:07 PM



#48
Methyl methacrylate
Concen: 47.747 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	165974		
69	76.9	58.6	87.8	
39	57.9	43.8	65.6	





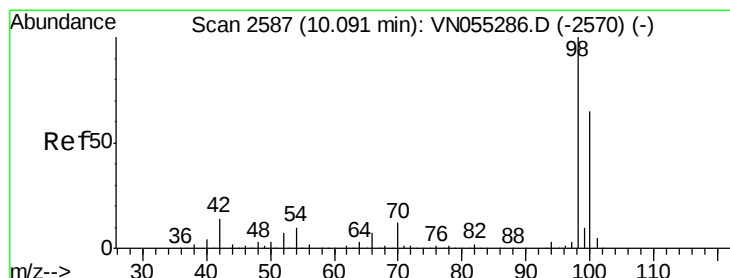
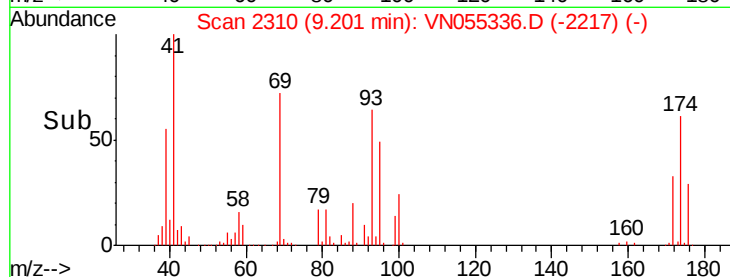
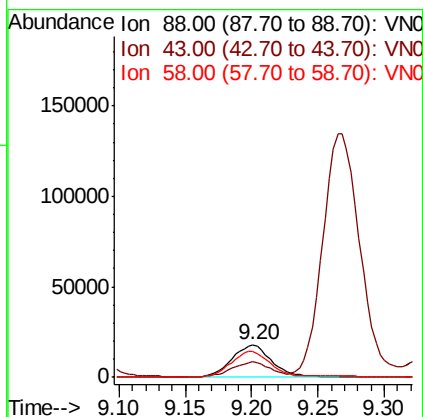
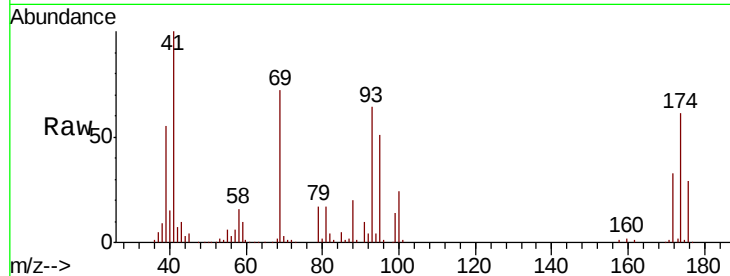
#49
1,4-Dioxane
Concen: 1057.750 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	42.8	33.3	49.9
58	78.2	62.7	94.1

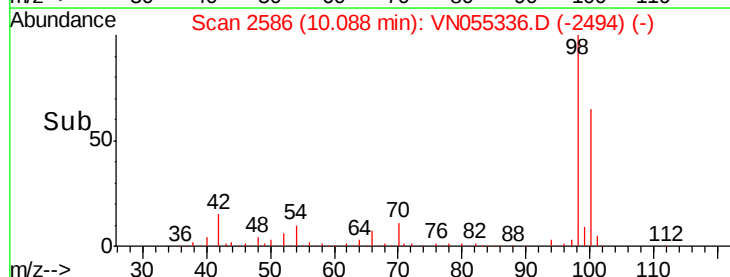
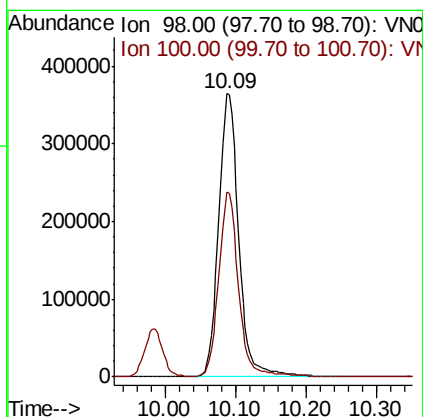
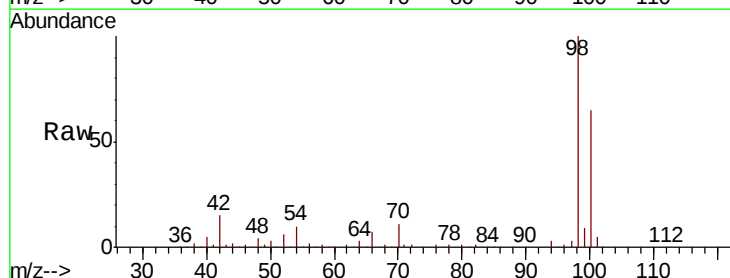
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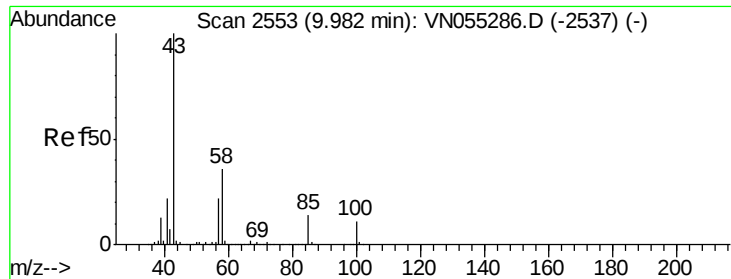
MMDadoda
5/3/2019 1:09:07 PM



#50
Toluene-d8
Concen: 50.976 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.7	77.5





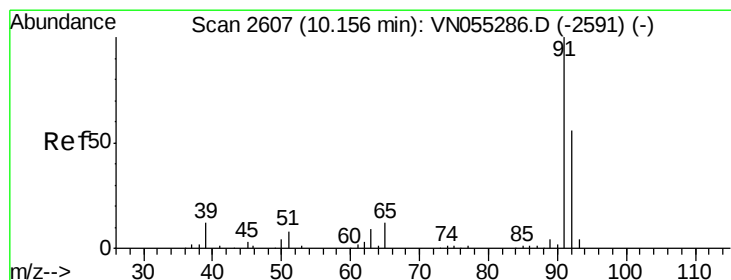
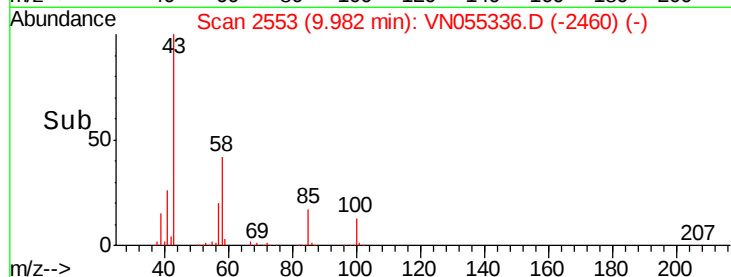
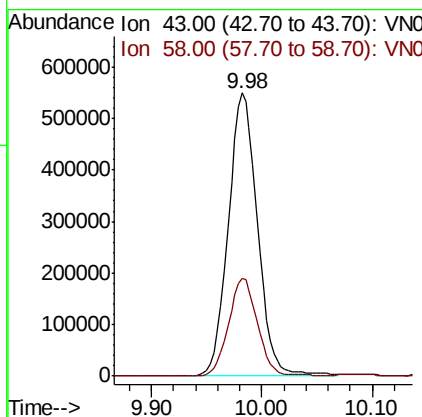
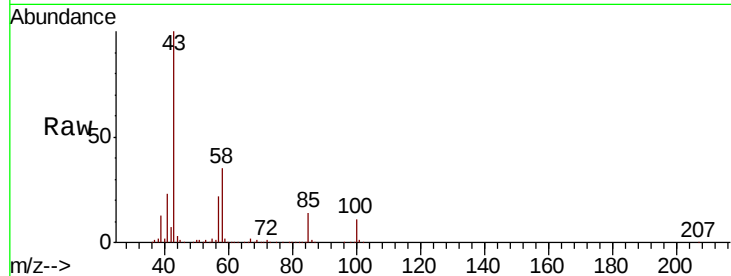
#51
4-Methyl-2-Pentanone
Concen: 253.114 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1007668
Ion Ratio Lower Upper
43 100
58 34.5 28.5 42.7

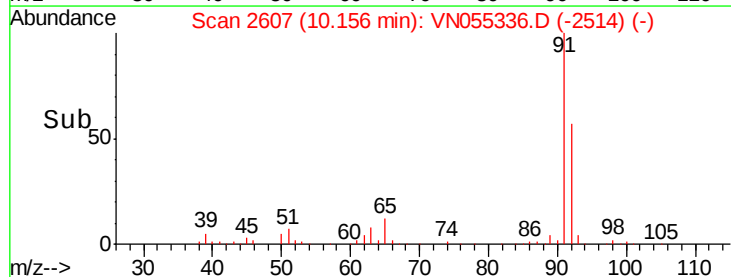
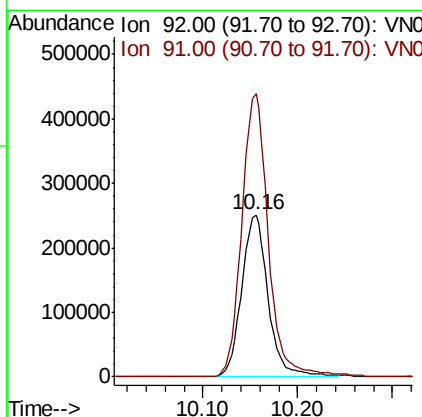
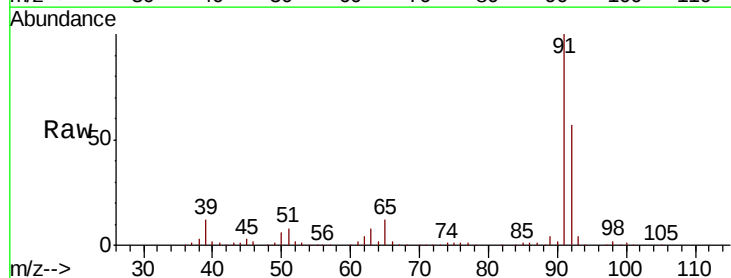
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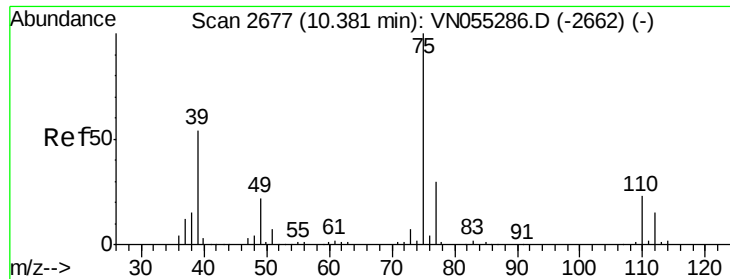
MMDadoda
5/3/2019 1:09:07 PM



#52
Toluene
Concen: 50.302 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion: 92 Resp: 488455
Ion Ratio Lower Upper
92 100
91 175.8 140.1 210.1





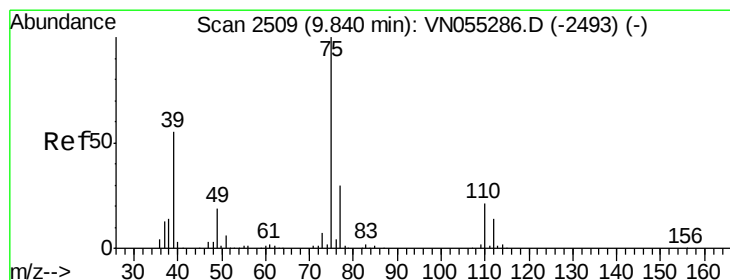
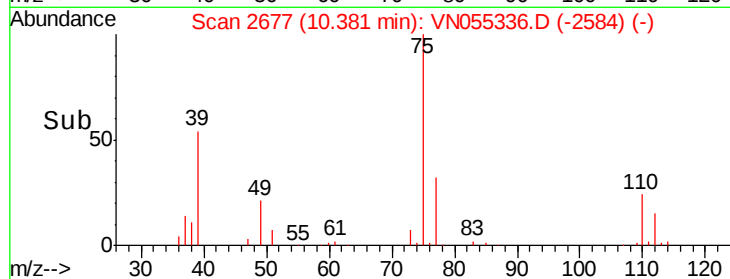
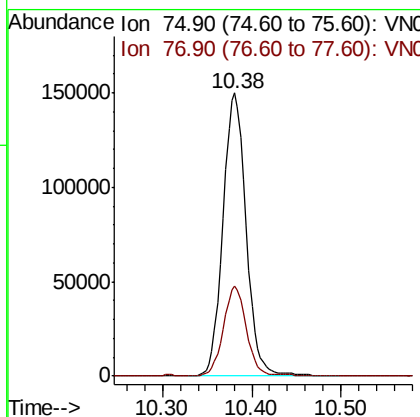
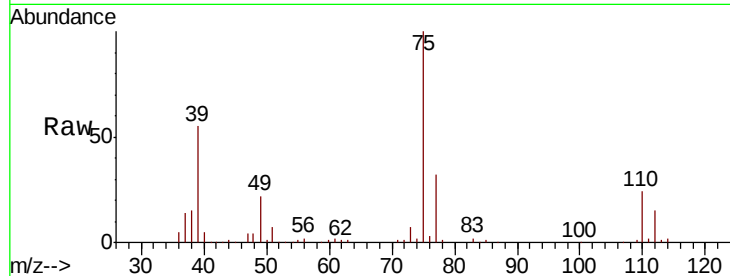
#53
 t-1,3-Dichloropropene
 Concen: 54.310 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 75 Resp: 269859
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.4 36.6

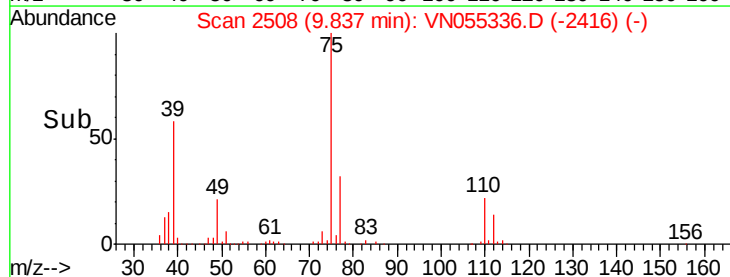
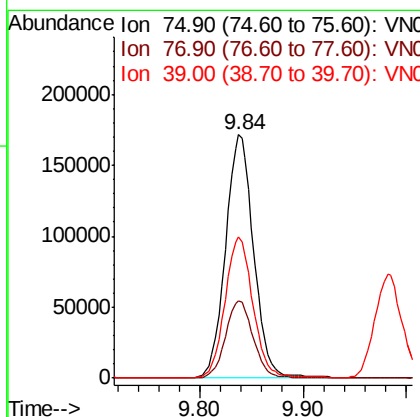
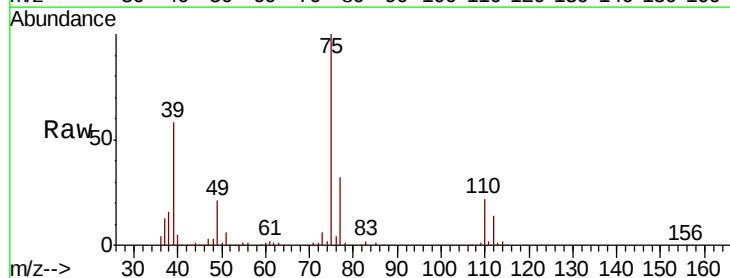
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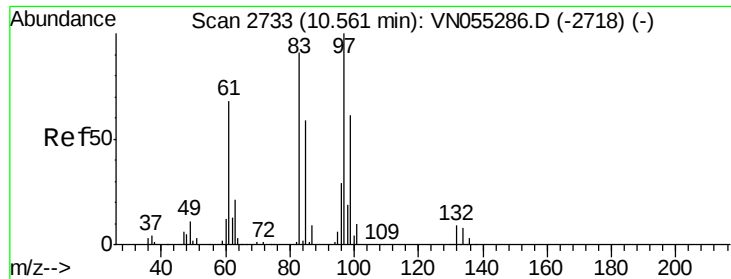
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#54
 cis-1,3-Dichloropropene
 Concen: 52.552 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Tgt Ion: 75 Resp: 325571
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.2 36.2
 39 57.8 44.2 66.2





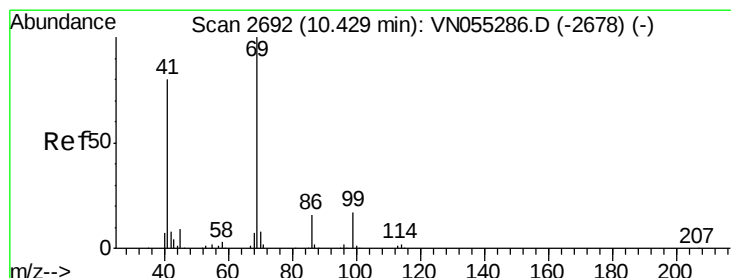
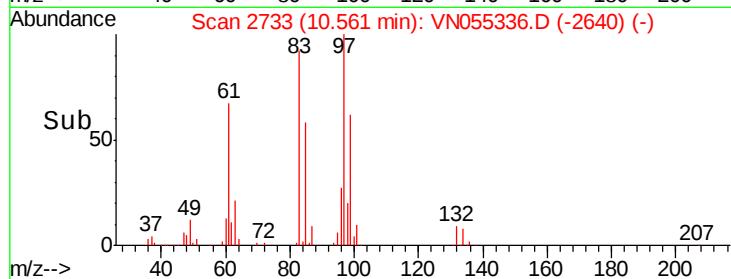
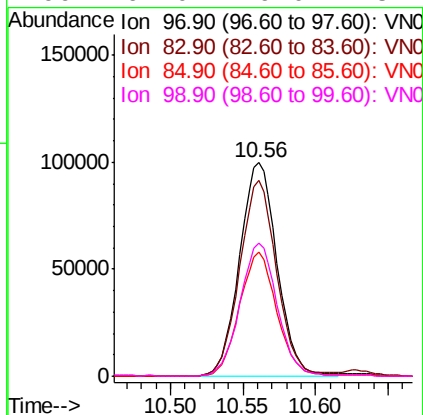
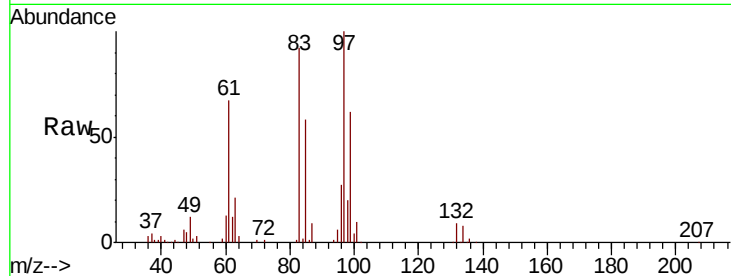
#55
 1,1,2-Trichloroethane
 Concen: 49.912 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	179977
Ion	Ratio	Lower	Upper
97	100		
83	91.5	72.8	109.2
85	58.0	47.0	70.6
99	62.0	49.0	73.4

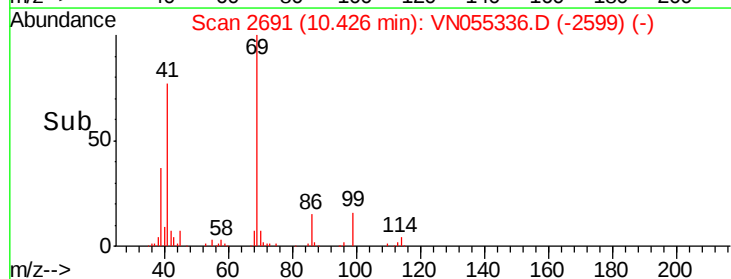
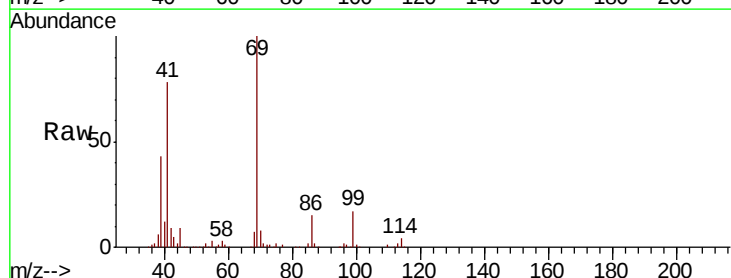
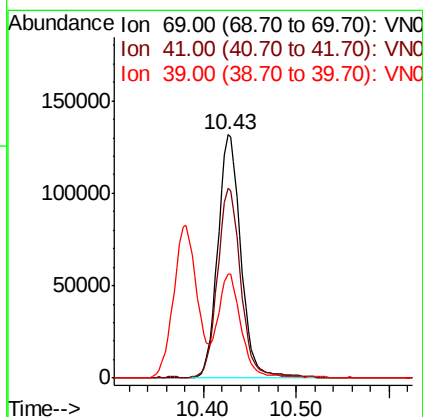
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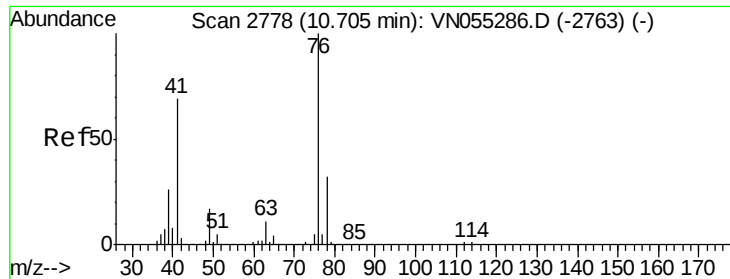
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#56
 Ethyl methacrylate
 Concen: 51.415 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Tgt Ion:	69	Resp:	228197
Ion	Ratio	Lower	Upper
69	100		
41	77.3	62.7	94.1
39	41.5	32.0	48.0





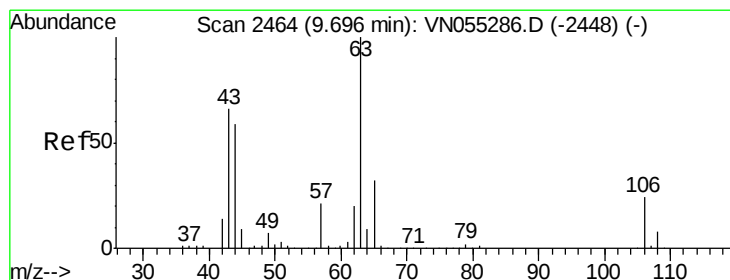
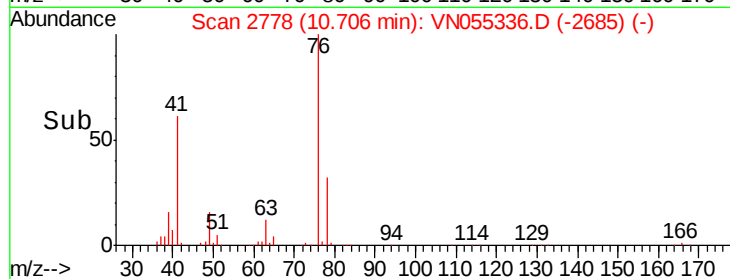
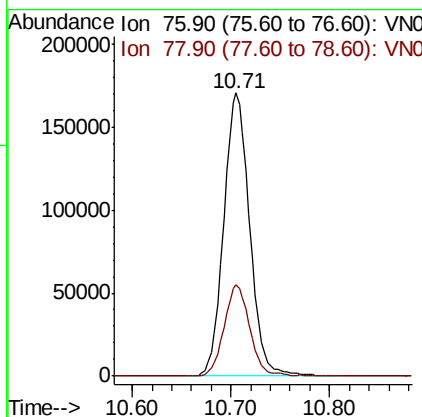
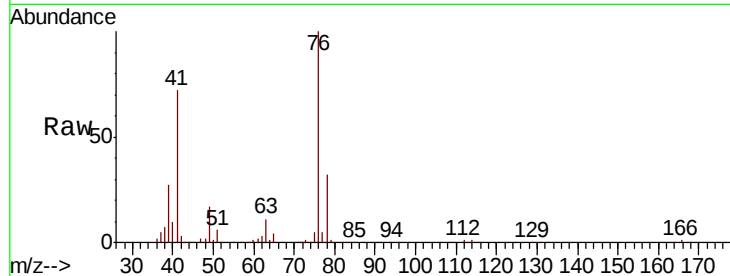
#57
 1,3-Dichloropropane
 Concen: 49.592 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 313707
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4

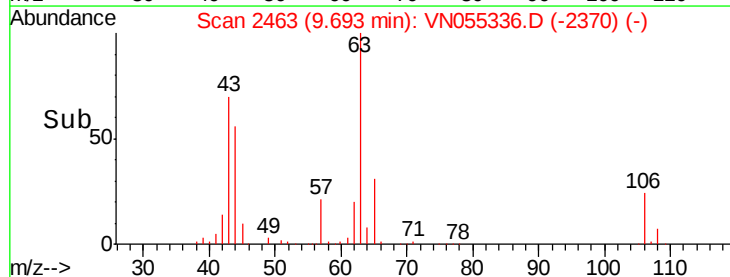
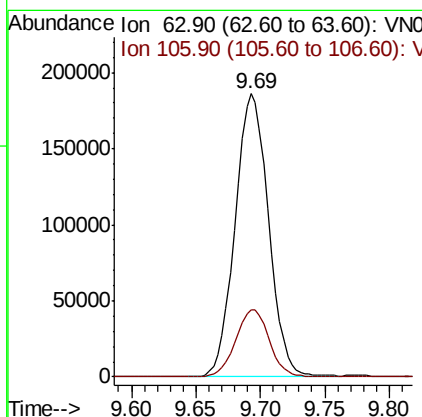
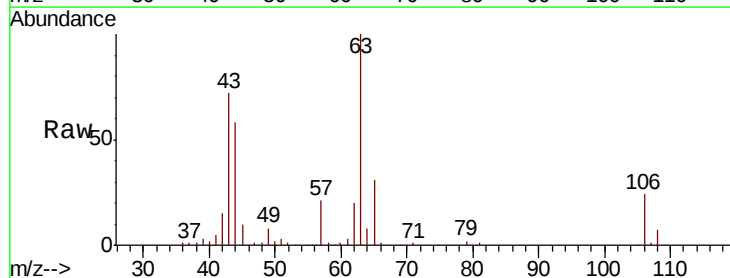
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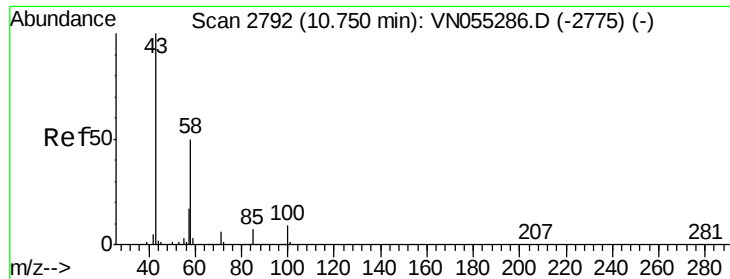
MMDadoda
 5/3/2019 1:09:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.229 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Tgt Ion: 63 Resp: 335991
 Ion Ratio Lower Upper
 63 100
 106 23.8 19.0 28.4





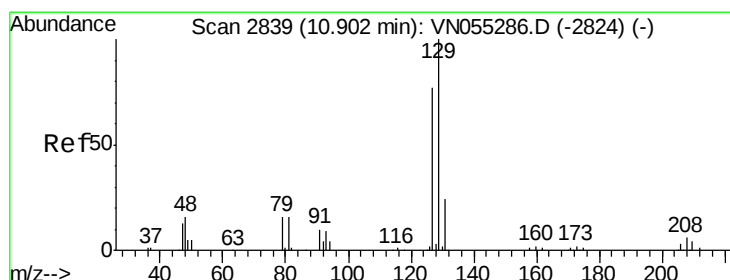
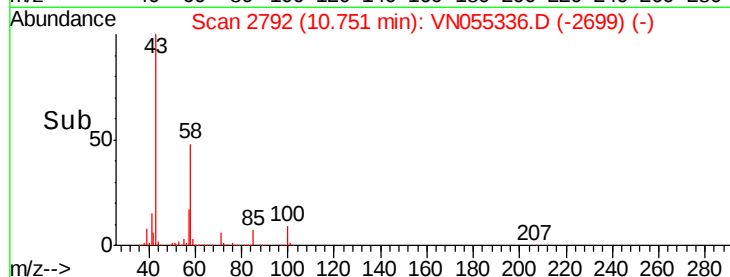
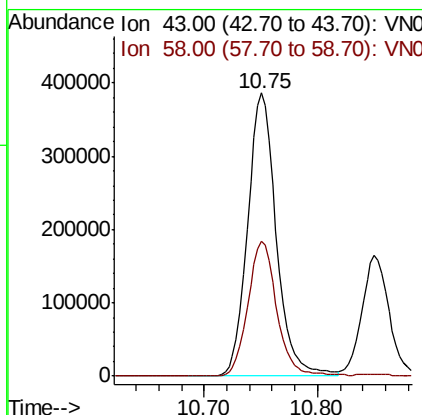
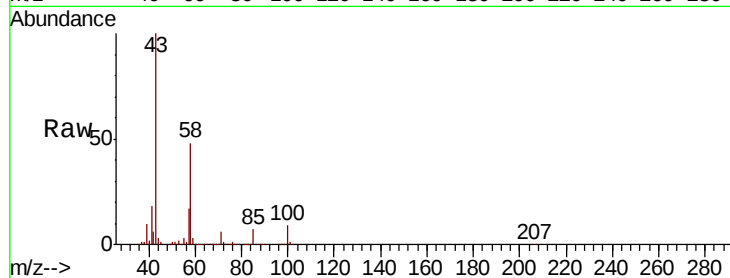
#59
2-Hexanone
Concen: 272.608 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 679040
Ion Ratio Lower Upper
43 100
58 48.1 24.9 74.6

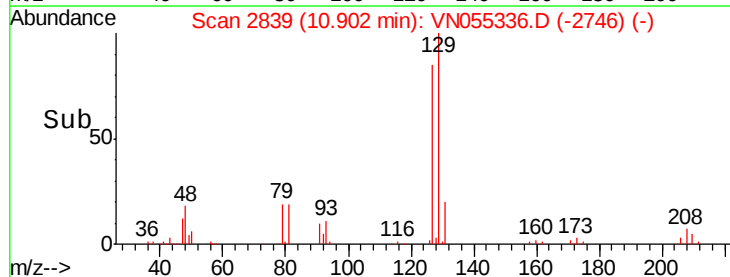
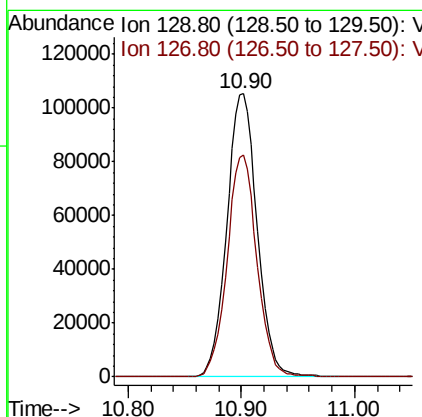
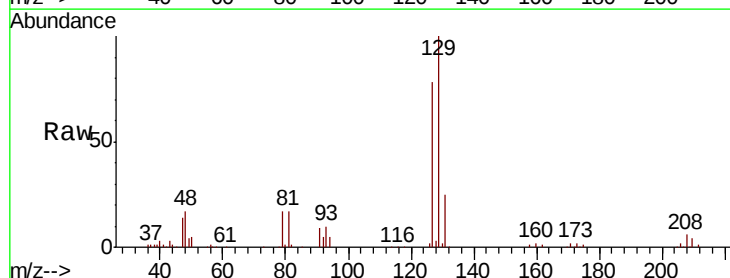
Manual Integrations
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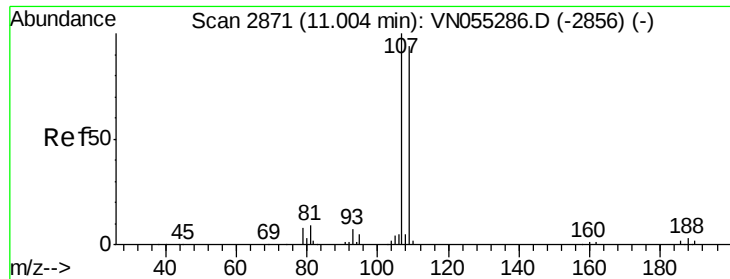
MMDadoda
5/3/2019 1:09:07 PM



#60
Dibromochloromethane
Concen: 53.100 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion: 129 Resp: 195695
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.5





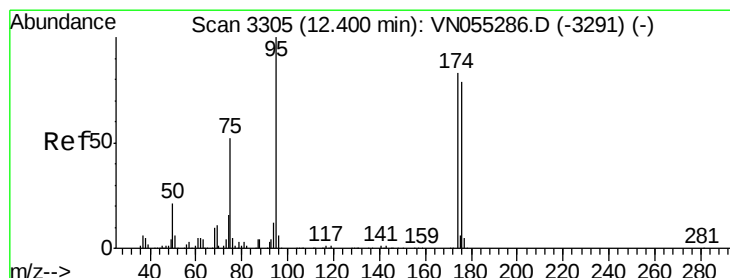
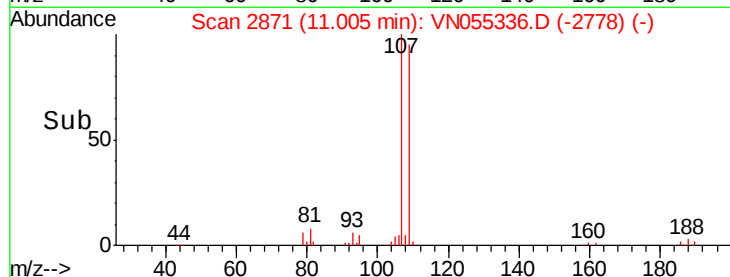
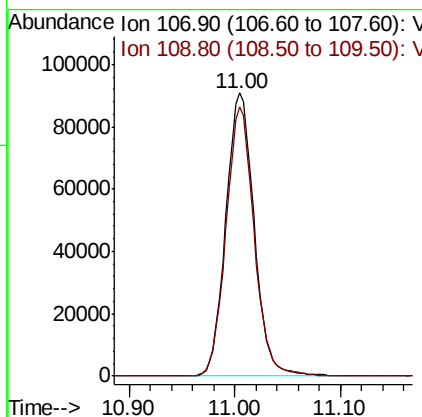
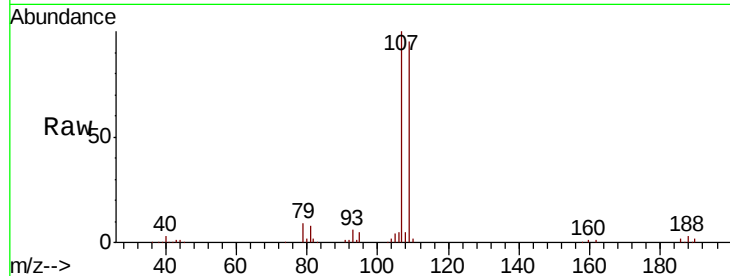
#61
 1,2-Dibromoethane
 Concen: 50.613 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 168688
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.0 112.6

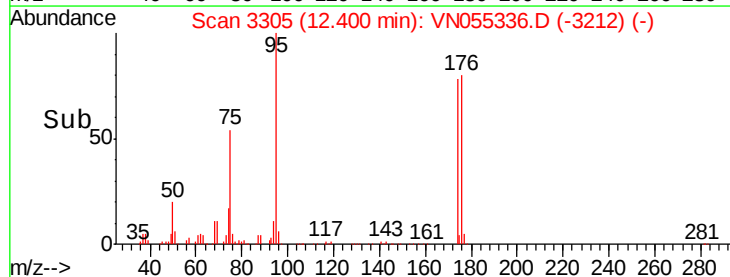
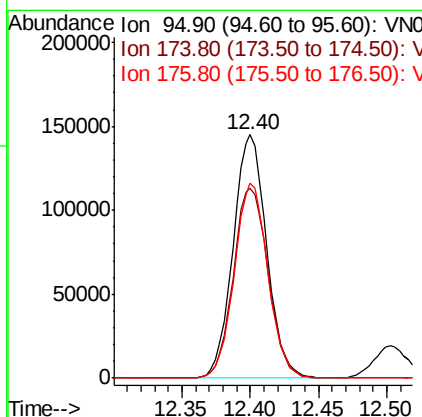
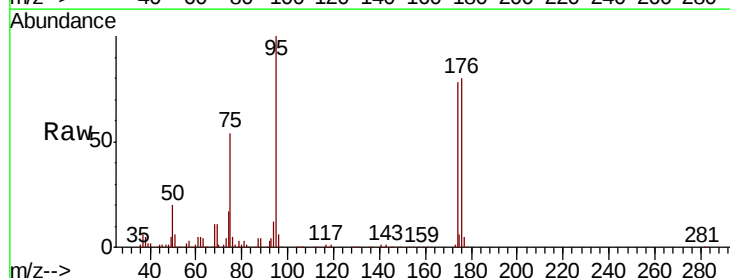
Manual Integrations
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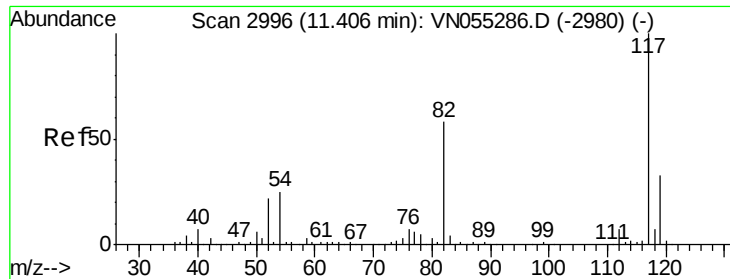
MMDadoda
 5/3/2019 1:09:07 PM



#62
 4-Bromofluorobenzene
 Concen: 55.593 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Tgt Ion: 95 Resp: 246812
 Ion Ratio Lower Upper
 95 100
 174 81.3 0.0 166.6
 176 80.1 0.0 157.8





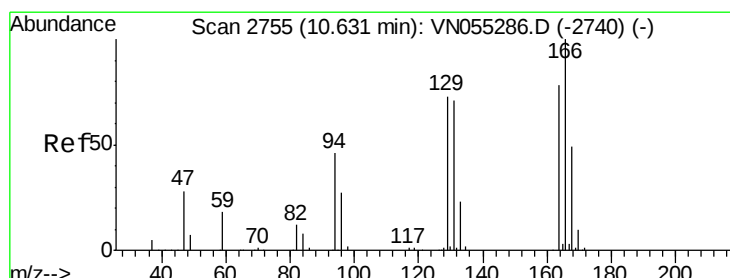
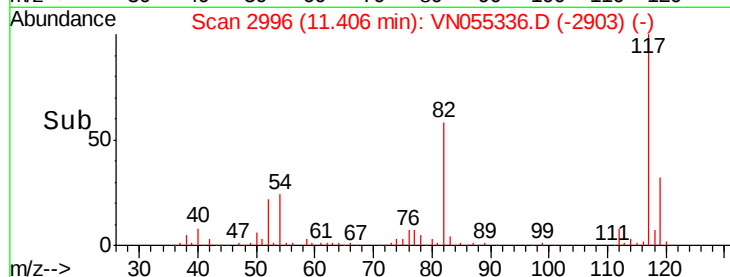
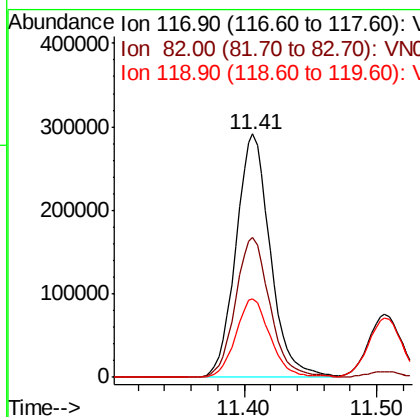
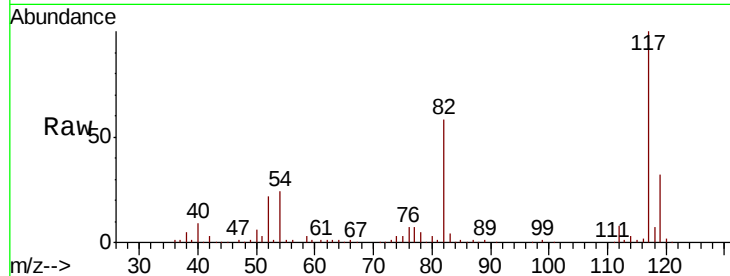
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	523731		
82	57.6	46.2	69.4	
119	32.4	26.6	40.0	

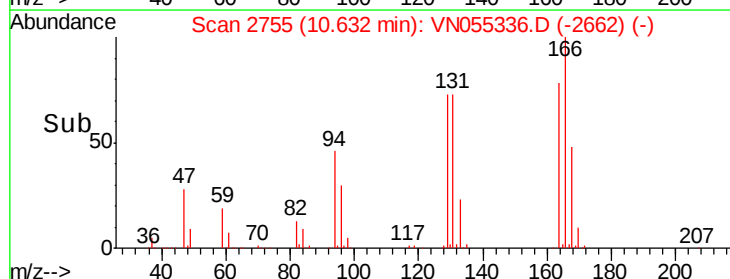
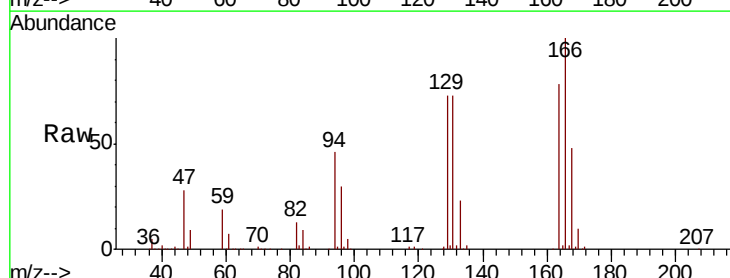
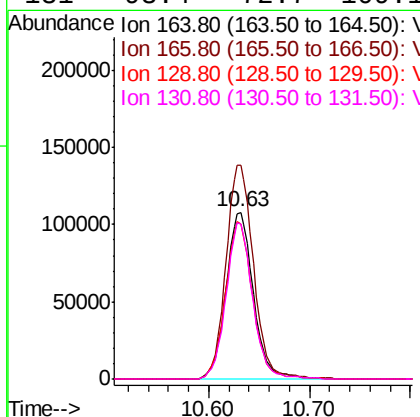
Manual Integrations
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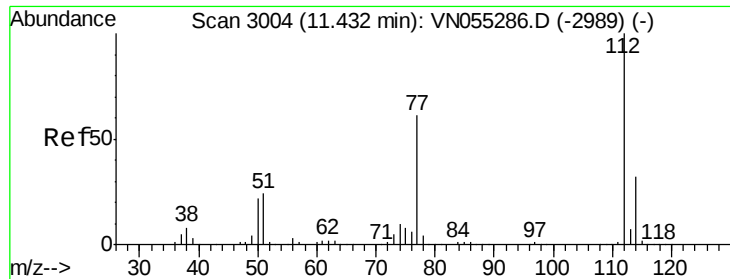
MMDadoda
5/3/2019 1:09:07 PM



#64
Tetrachloroethene
Concen: 47.590 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	203827		
166	128.3	102.3	153.5	
129	93.2	75.0	112.6	
131	93.4	72.7	109.1	





#65

Chlorobenzene

Concen: 48.752 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 499200

Ion Ratio Lower Upper

112 100

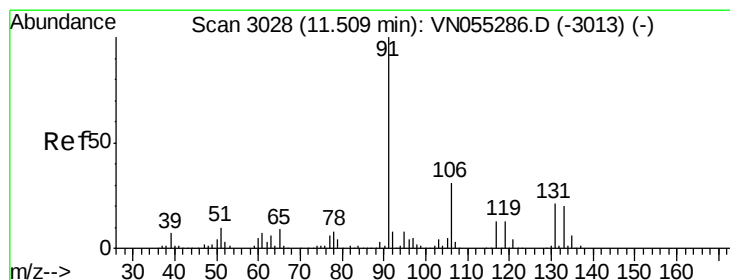
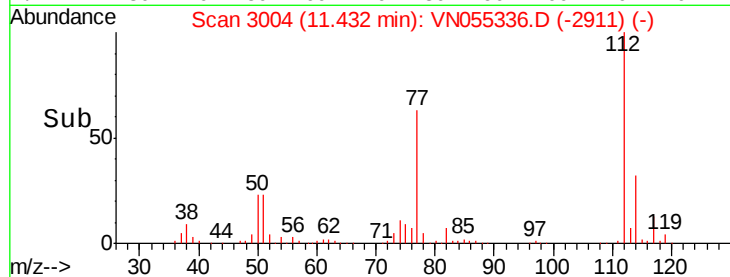
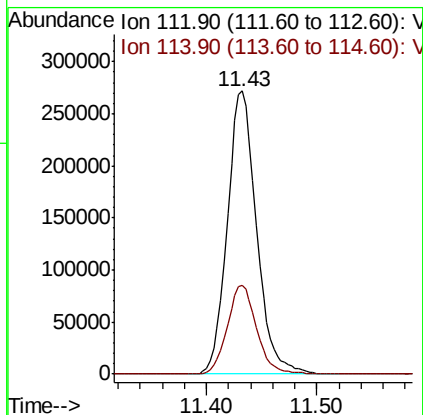
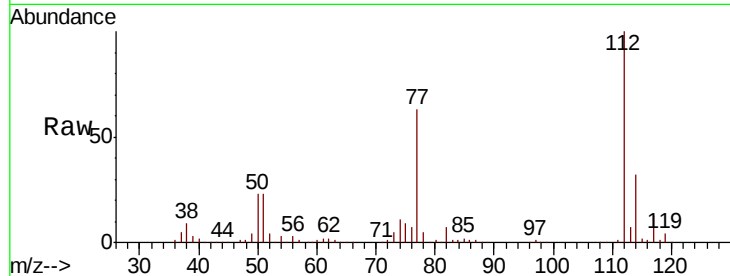
114 31.5 25.3 37.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 48.226 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

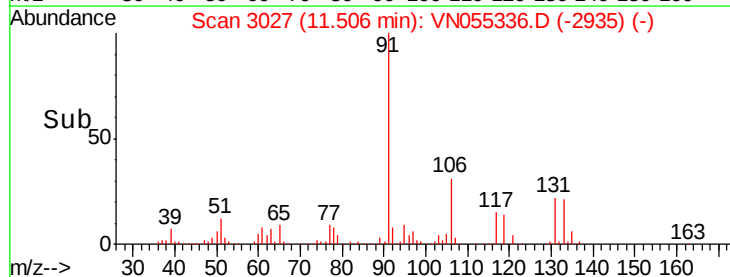
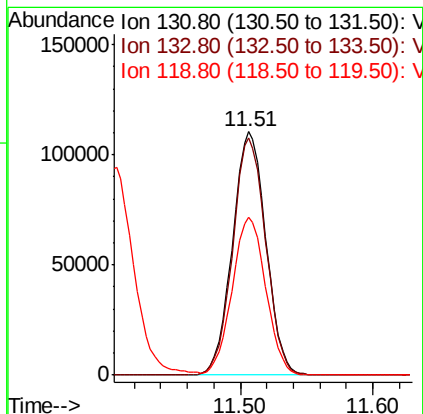
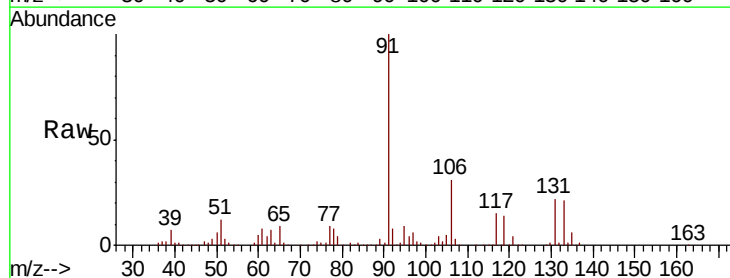
Tgt Ion:131 Resp: 193362

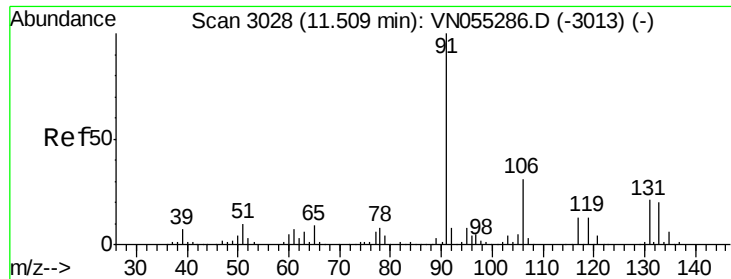
Ion Ratio Lower Upper

131 100

133 96.3 47.5 142.6

119 65.3 32.7 98.1





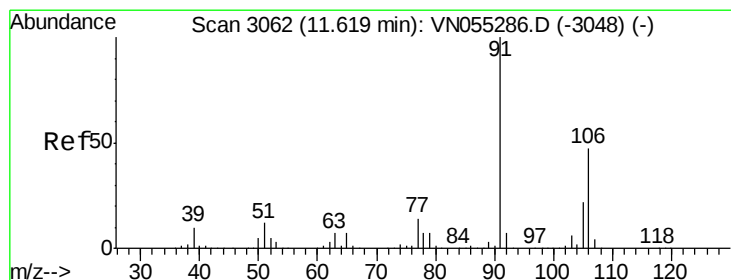
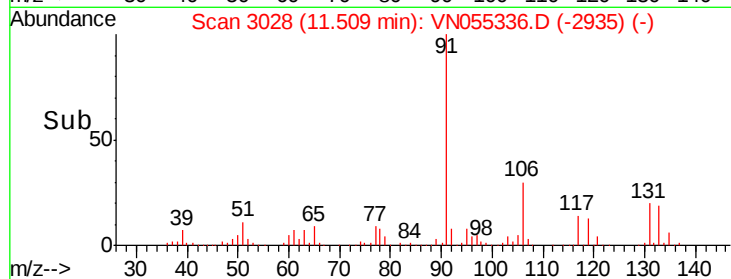
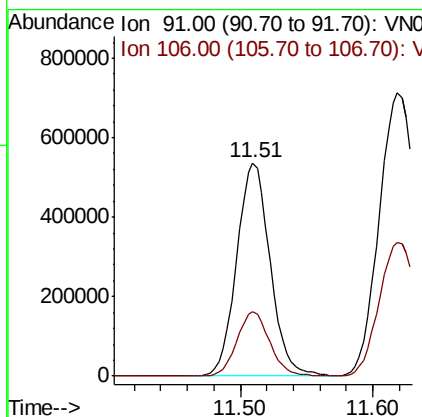
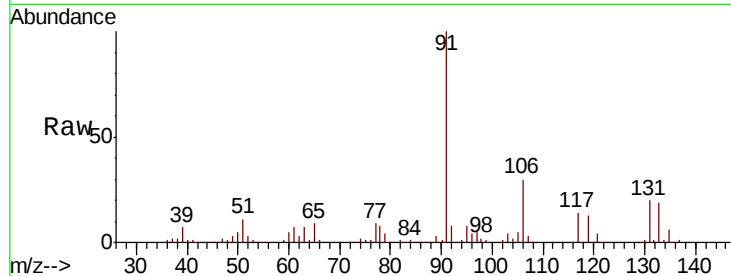
#67
Ethyl Benzene
Concen: 50.715 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 937747
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8

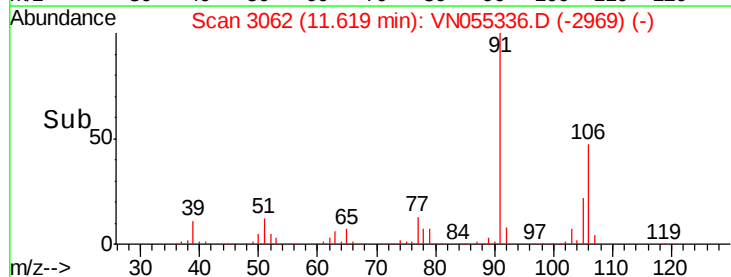
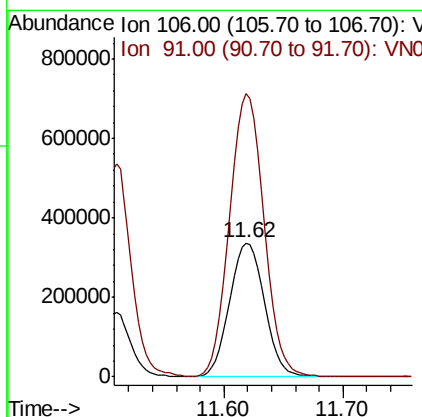
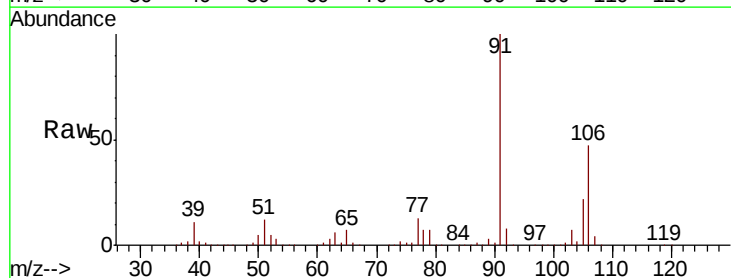
Manual Integrations
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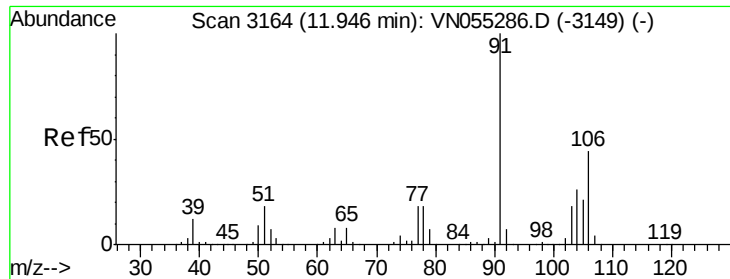
MMDadoda
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#68
m/p-Xylenes
Concen: 103.779 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion: 106 Resp: 684954
Ion Ratio Lower Upper
106 100
91 209.5 169.5 254.3





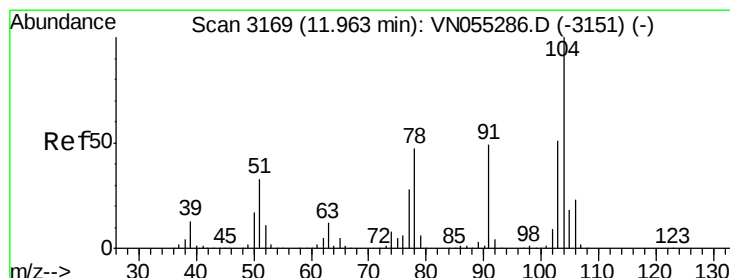
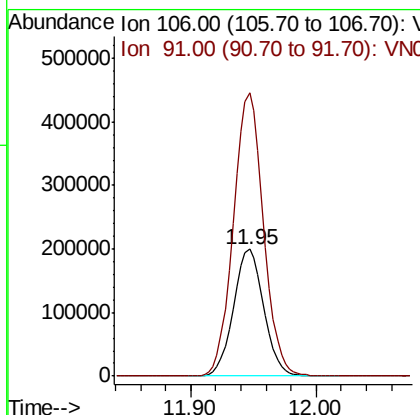
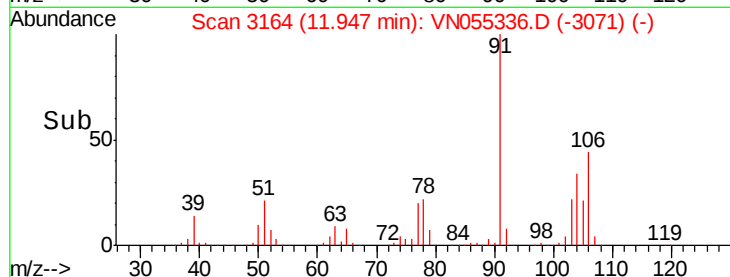
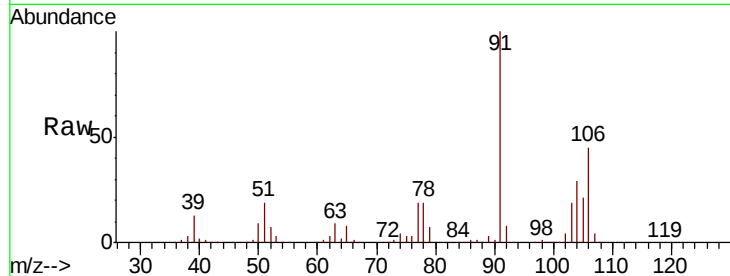
#69
o-Xylene
Concen: 51.194 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion:106 Resp: 334901
Ion Ratio Lower Upper
106 100
91 221.1 111.5 334.5

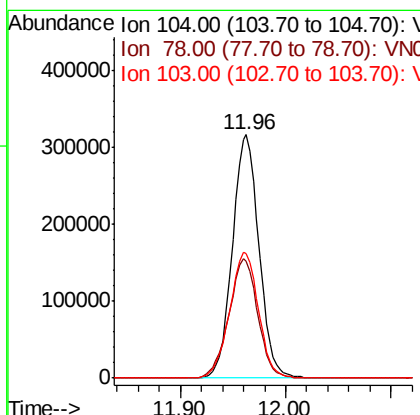
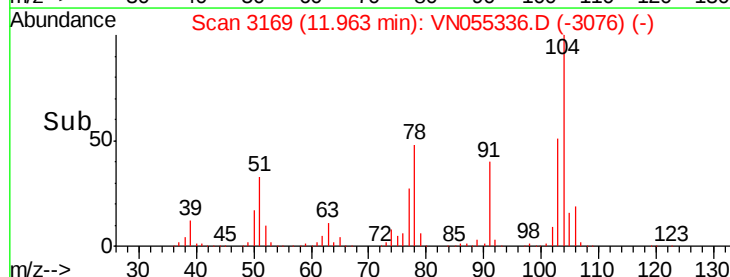
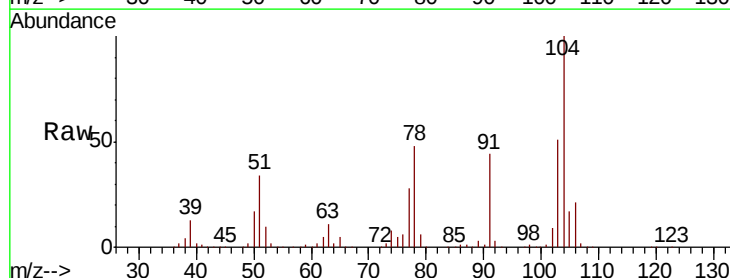
Manual Integrations
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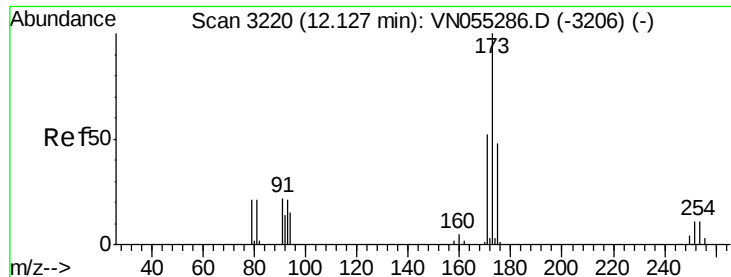
MMDadoda
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#70
Styrene
Concen: 54.856 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion:104 Resp: 550997
Ion Ratio Lower Upper
104 100
78 53.3 42.2 63.2
103 56.1 44.6 67.0





#71

Bromoform

Concen: 53.100 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Instrument :

MSVOA_N

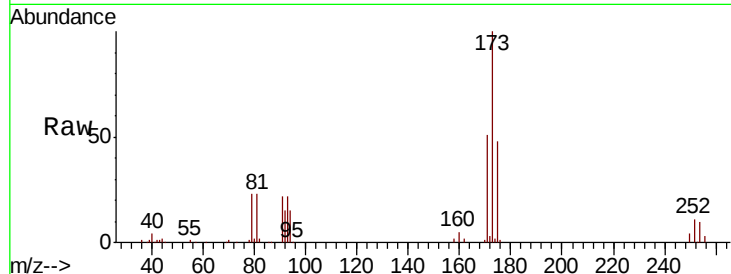
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	118139		
175	48.5	23.6	71.0	
254	0.0	0.0	0.0	

Manual Integrations
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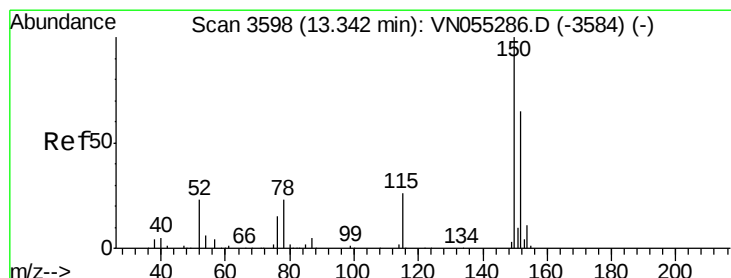
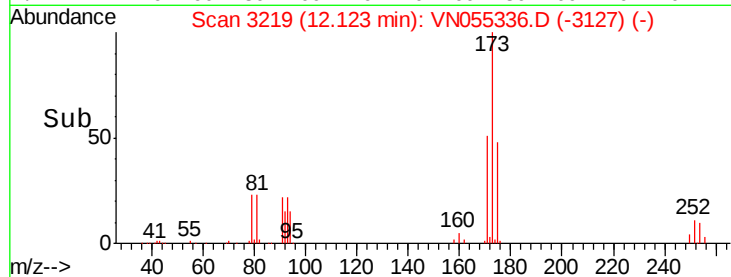
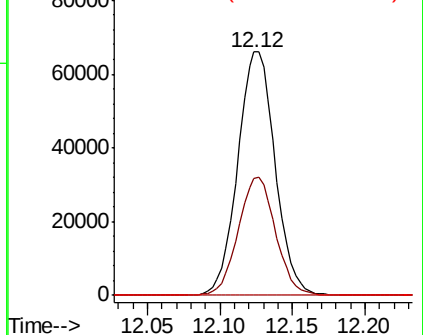


Abundance

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

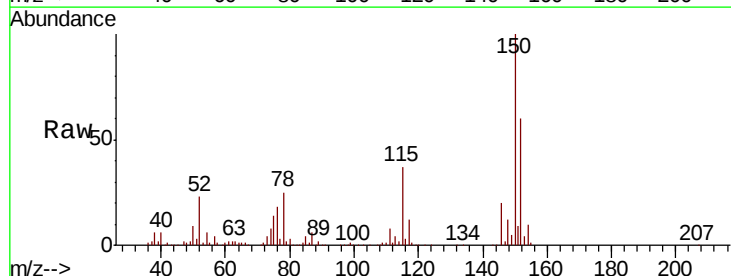
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	215669		
115	60.0	29.0	87.0	
150	175.0	0.0	345.6	

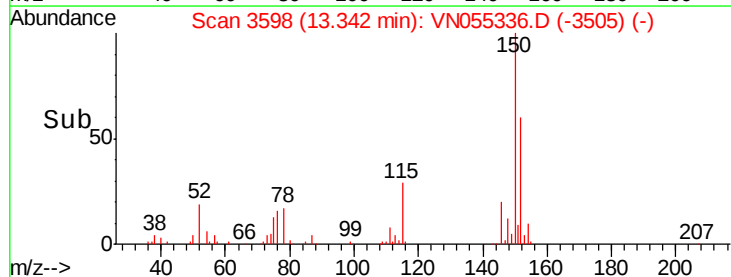
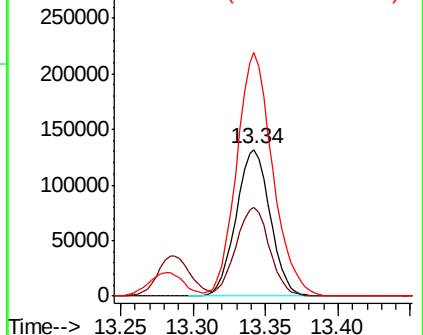


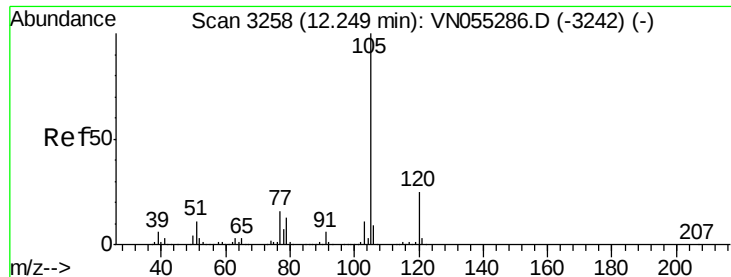
Abundance

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: 52.664 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 900858

Ion Ratio Lower Upper

105 100

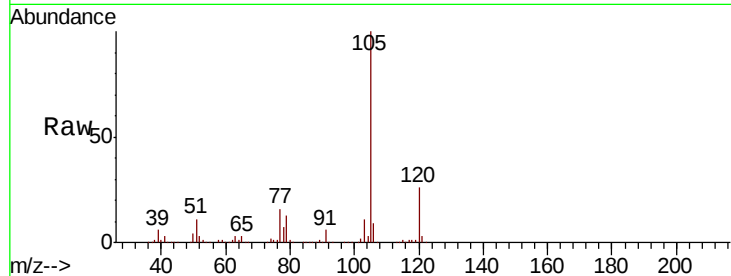
120 26.0 12.9 38.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

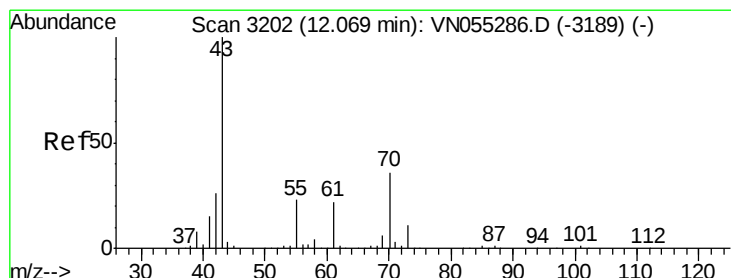
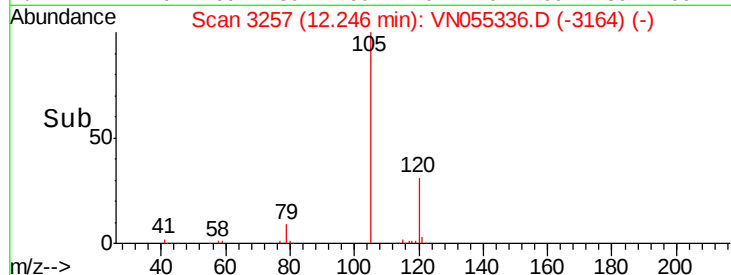
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 48.656 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Tgt Ion: 43 Resp: 269306

Ion Ratio Lower Upper

43 100

70 35.6 27.9 41.9

55 23.2 18.2 27.2

61 21.5 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

250000

200000

150000

100000

50000

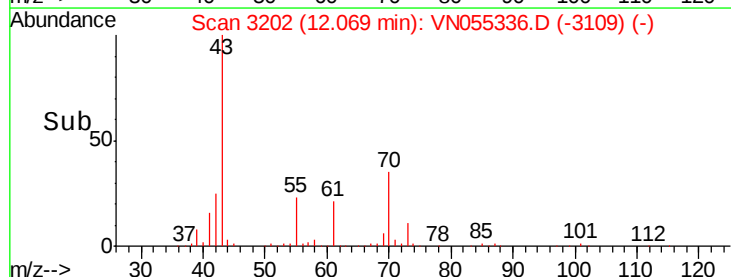
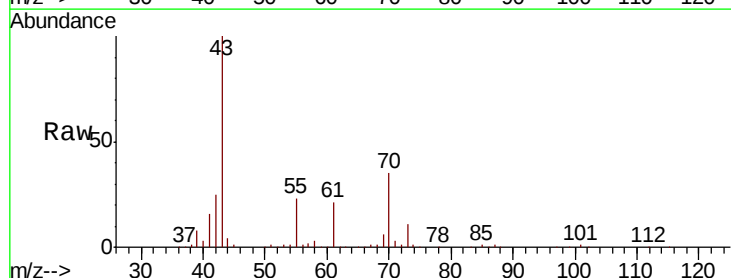
0

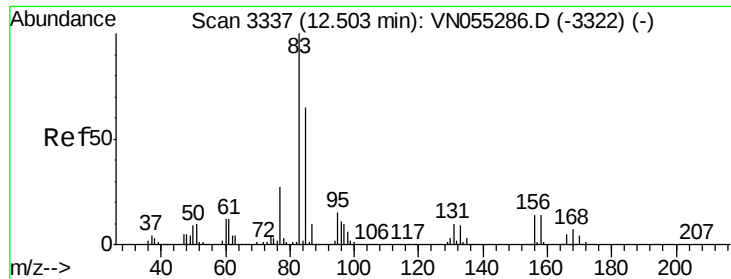
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.005 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Instrument :

MSVOA_N

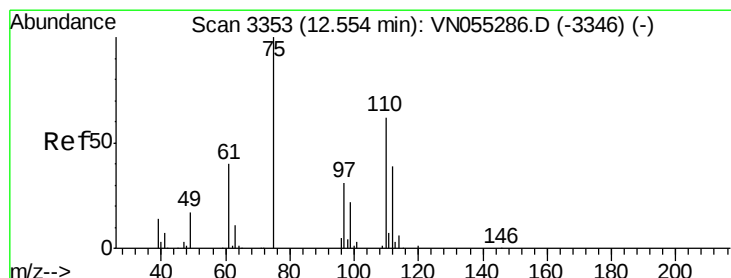
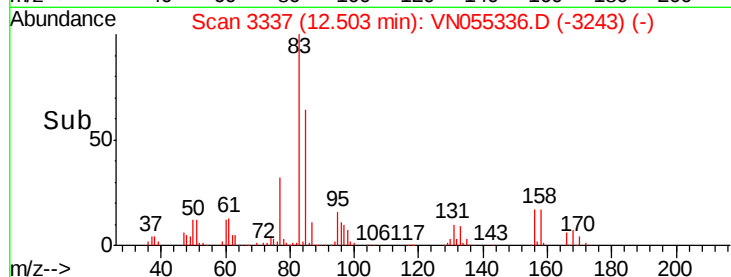
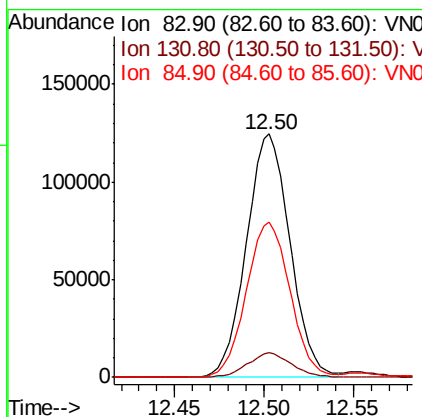
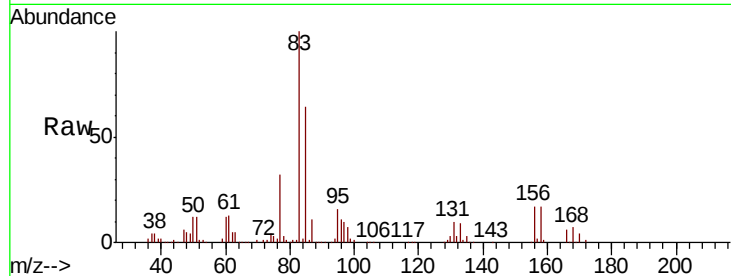
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	213675
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.2
85	63.8	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.466 ug/l m

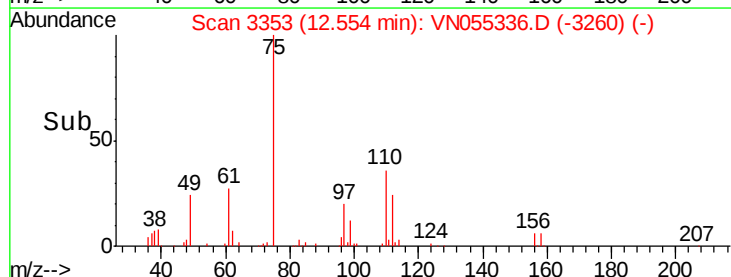
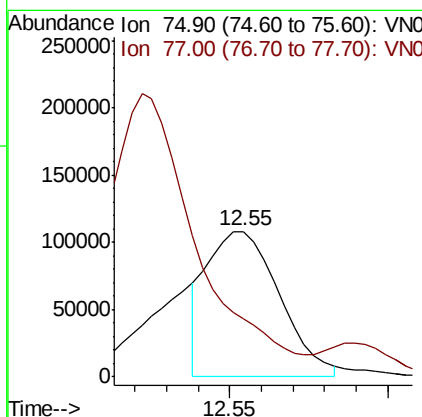
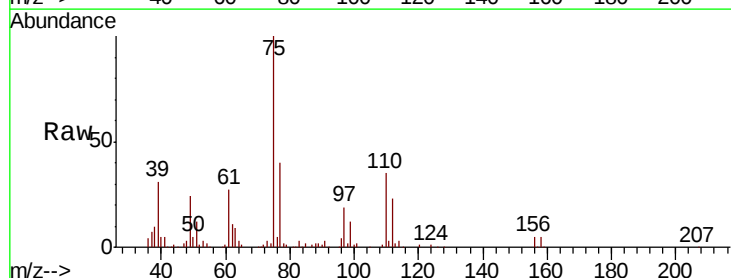
RT: 12.55 min Scan# 3353

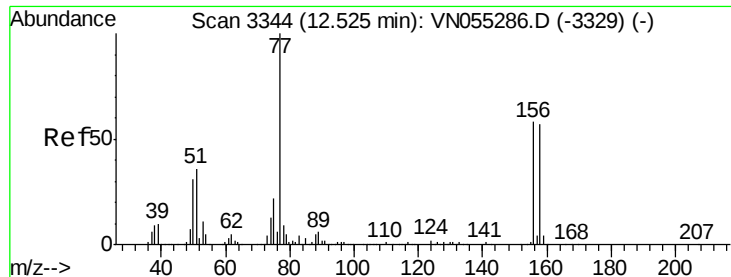
Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Tgt Ion:	75	Resp:	171755
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.810 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Instrument :

MSVOA_N

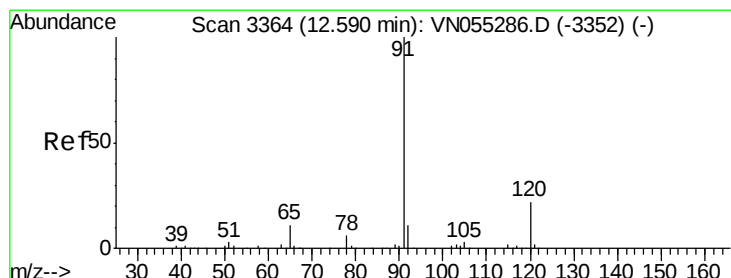
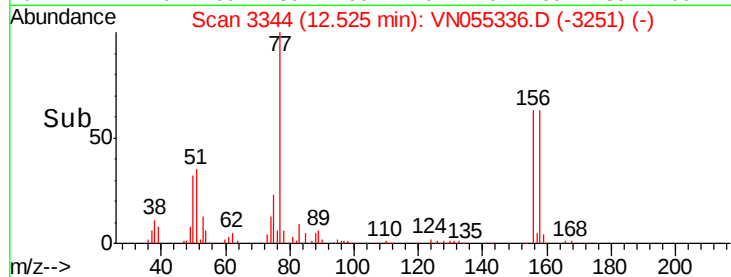
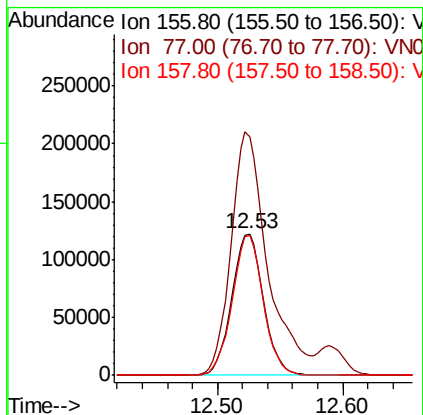
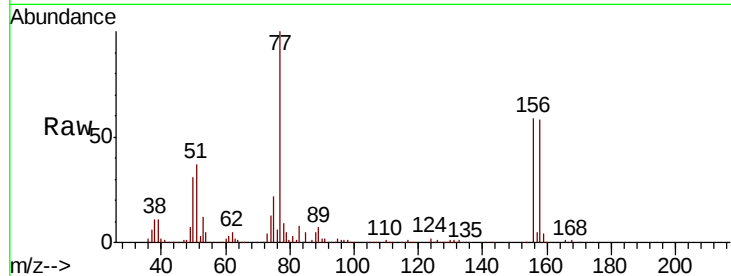
ClientSampled :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	199.5	99.6	298.8
158	97.2	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 46.254 ug/l

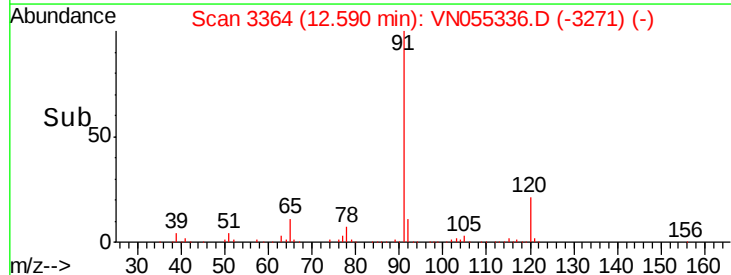
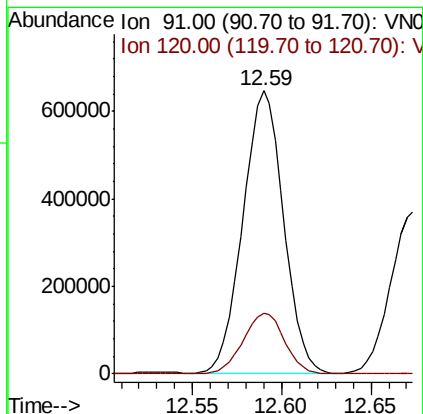
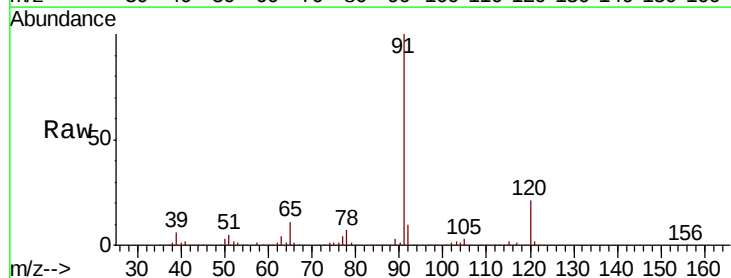
RT: 12.59 min Scan# 3364

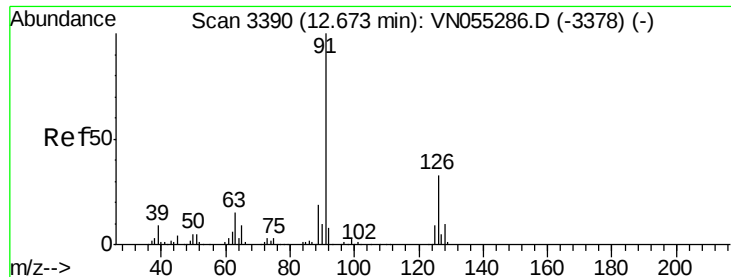
Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.0	33.0





#79

2-Chlorotoluene

Concen: 53.029 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 617935

Ion Ratio Lower Upper

91 100

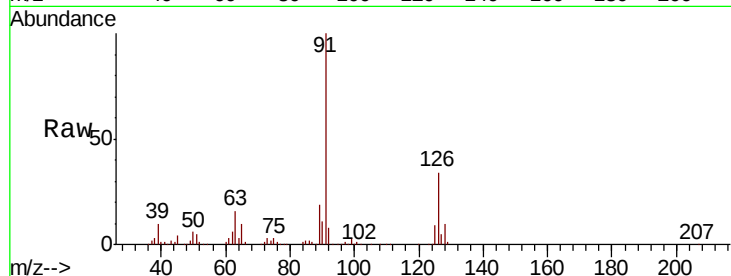
126 33.4 16.6 49.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055286.D (-3378) (-)

600000

400000

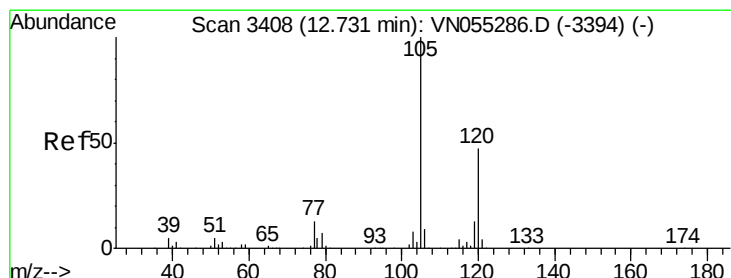
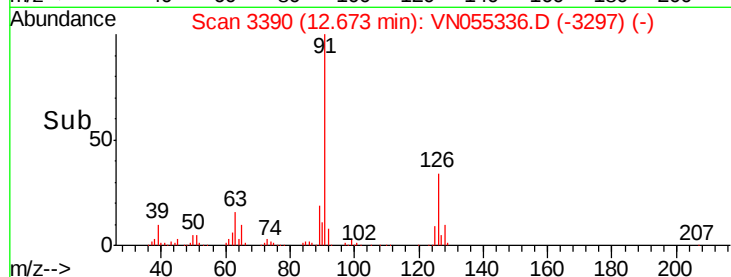
200000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 44.477 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055336.D

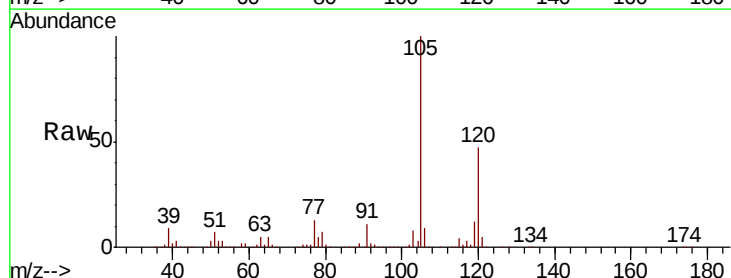
Acq: 2 May 2019 8:58

Tgt Ion: 105 Resp: 752001

Ion Ratio Lower Upper

105 100

120 48.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN055286.D (-3394) (-)

500000

400000

300000

200000

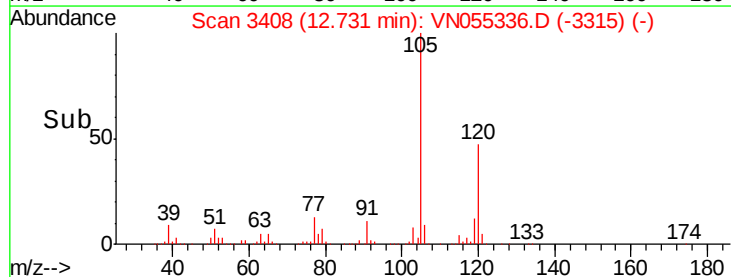
100000

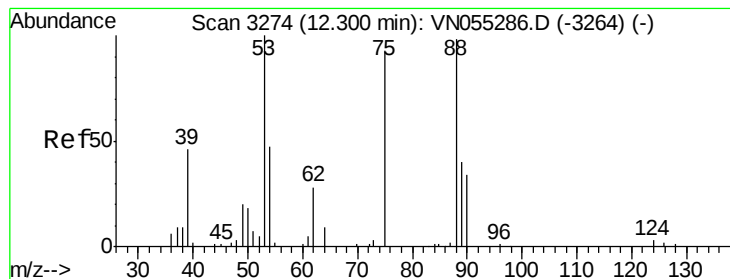
0

12.65 12.70 12.75 12.80

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.159 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 75 Resp: 52532

Ion Ratio Lower Upper

75 100

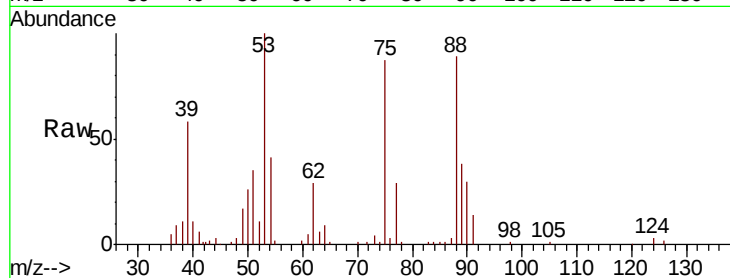
53 114.8 86.3 129.5

89 45.5 34.6 51.8

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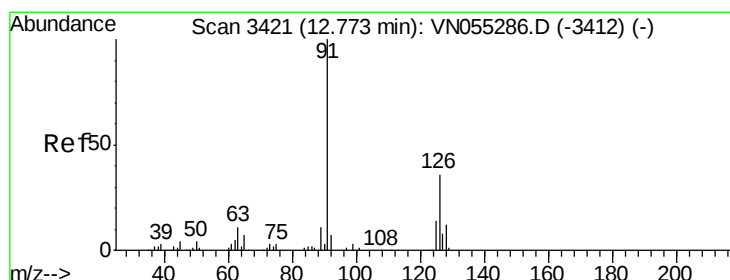
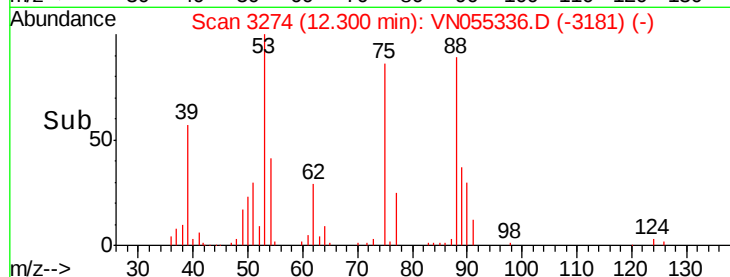
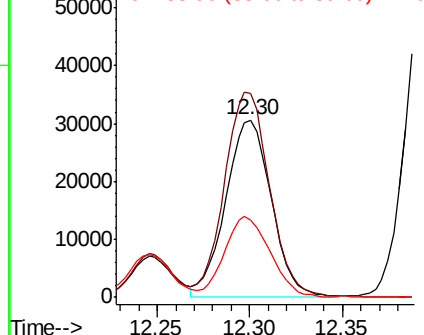
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 46.605 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN055336.D

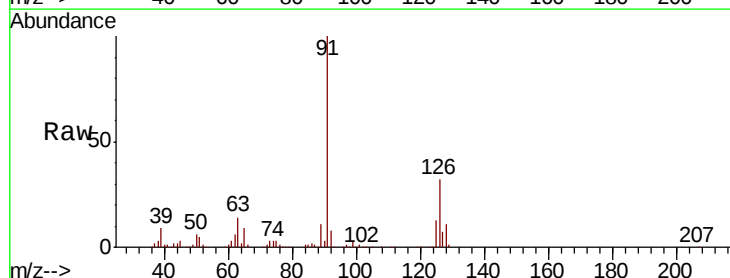
Acq: 2 May 2019 8:58

Tgt Ion: 91 Resp: 600314

Ion Ratio Lower Upper

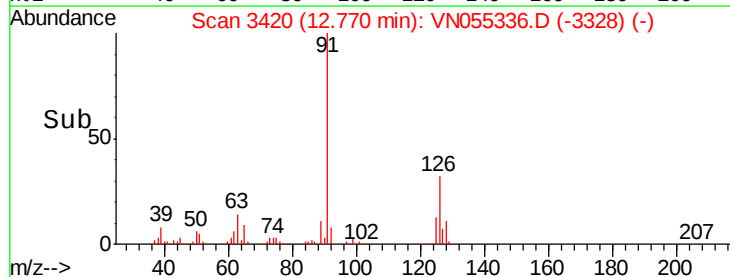
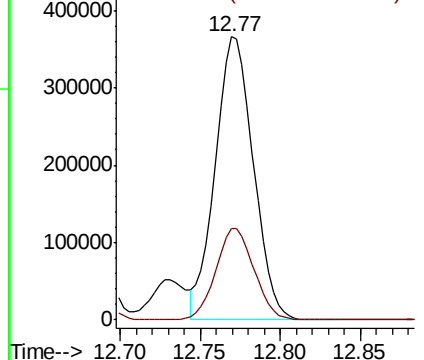
91 100

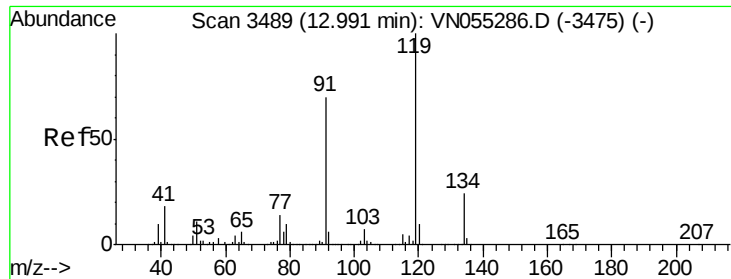
126 32.4 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





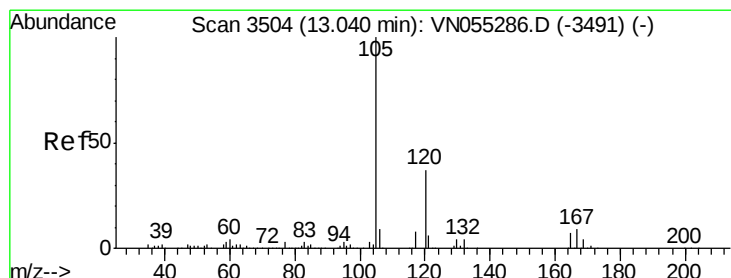
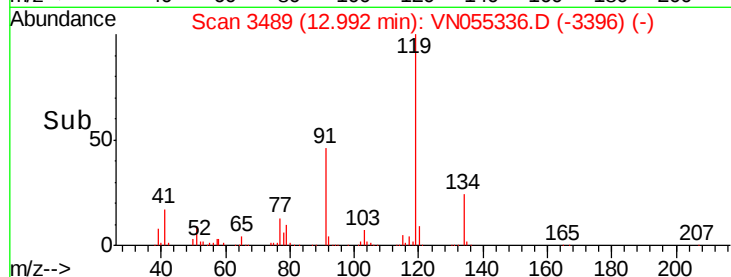
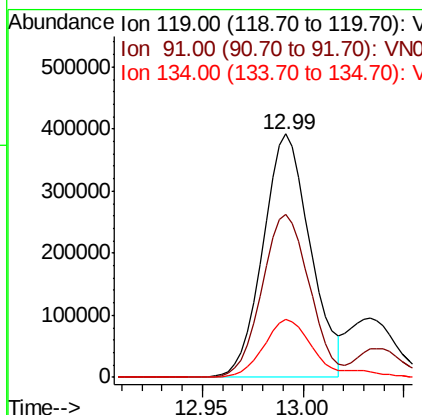
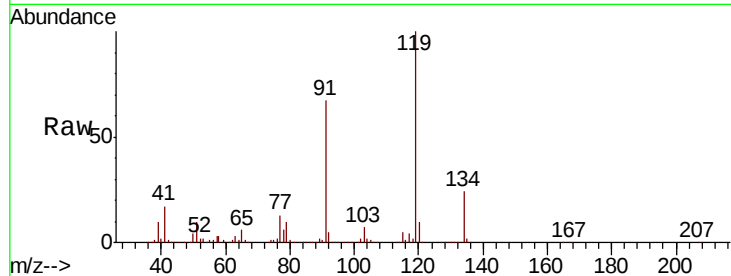
#83
 tert-Butylbenzene
 Concen: 53.621 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.5	34.3	102.9
134	25.9	13.1	39.3

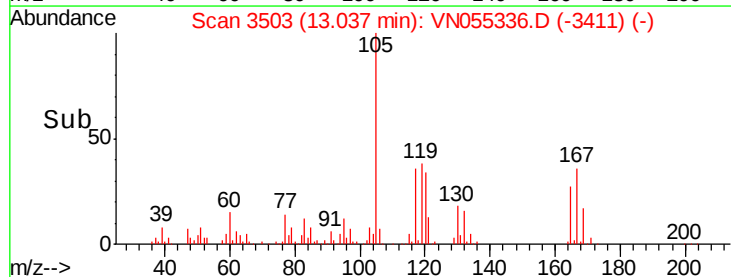
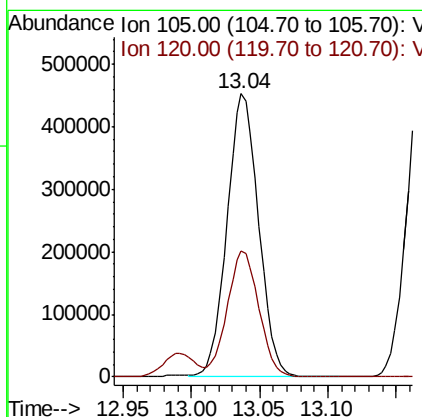
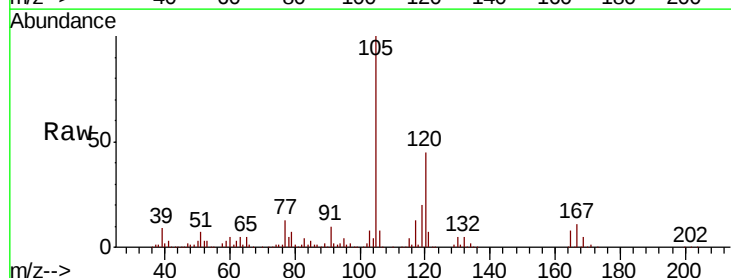
Manual Integrations
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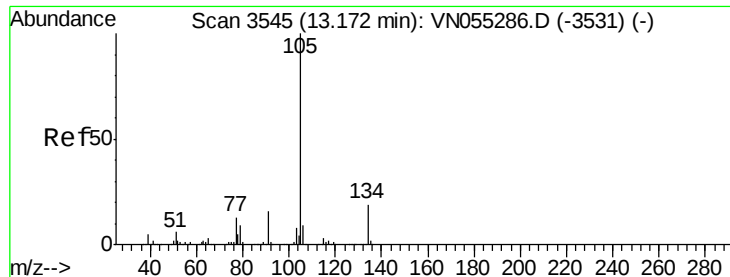
MMDadoda
 5/3/2019 1:09:07 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.967 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.5





#85

sec-Butylbenzene

Concen: 45.299 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 832465

Ion Ratio Lower Upper

105 100

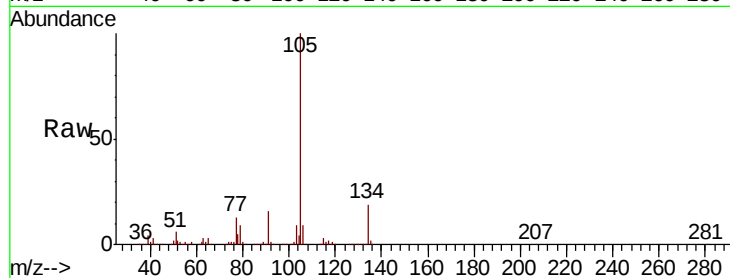
134 19.6 9.6 28.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

500000

400000

300000

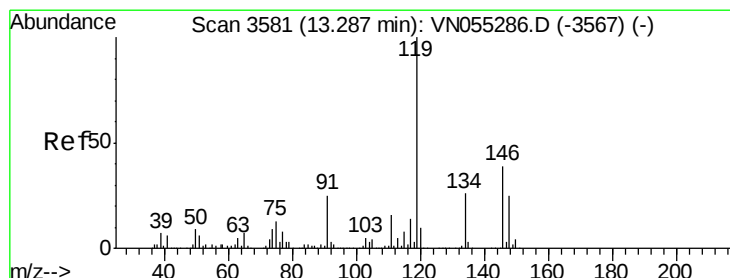
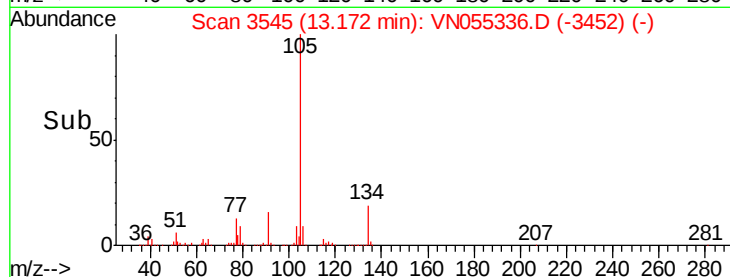
200000

100000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 48.632 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

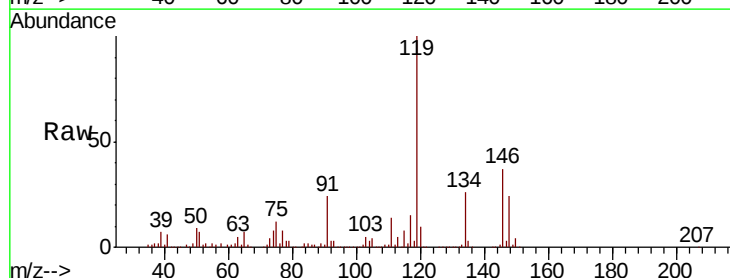
Tgt Ion:119 Resp: 734559

Ion Ratio Lower Upper

119 100

134 26.3 13.0 38.9

91 24.1 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

300000

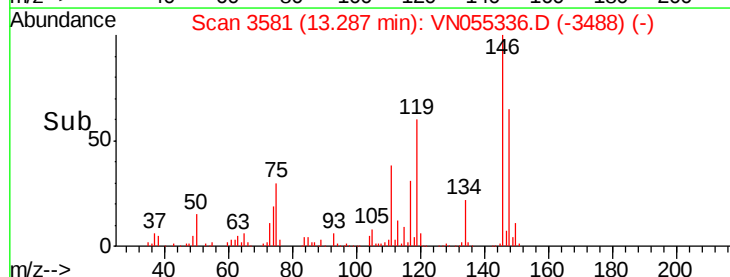
200000

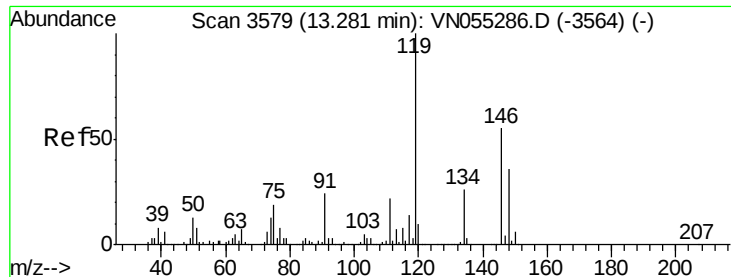
100000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.702 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Instrument :

MSVOA_N

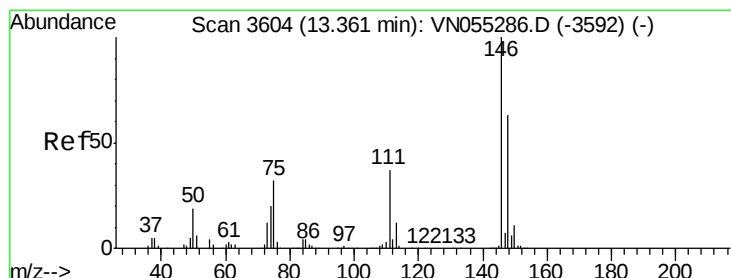
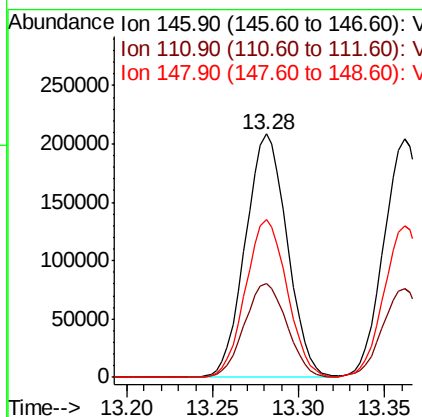
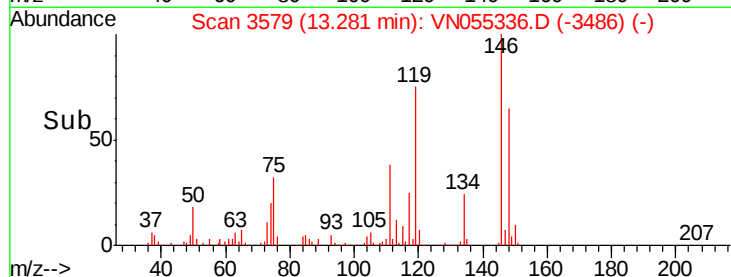
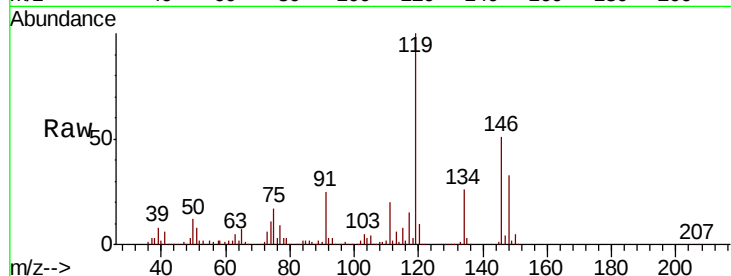
ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	351474
Ion Ratio	Lower	Upper	
146	100		
111	39.2	20.3	60.8
148	64.5	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.248 ug/l

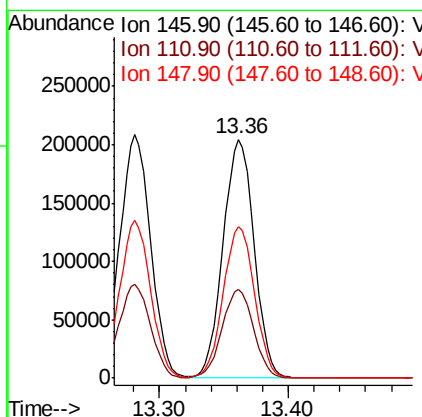
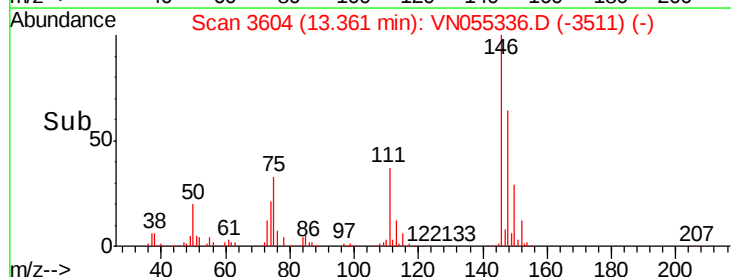
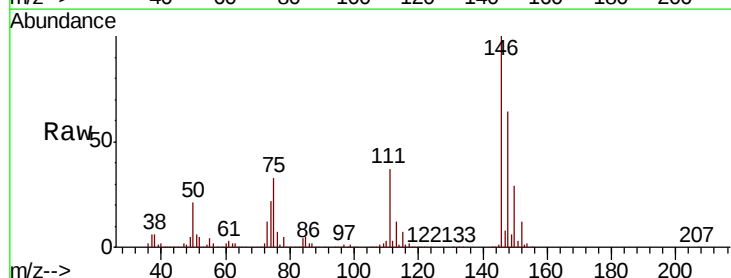
RT: 13.36 min Scan# 3604

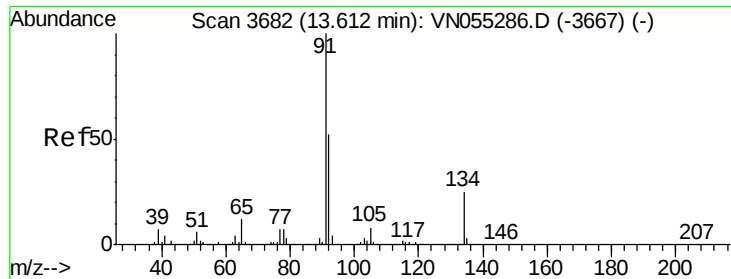
Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Tgt Ion:	146	Resp:	341497
Ion Ratio	Lower	Upper	
146	100		
111	37.8	19.5	58.5
148	64.0	32.5	97.4





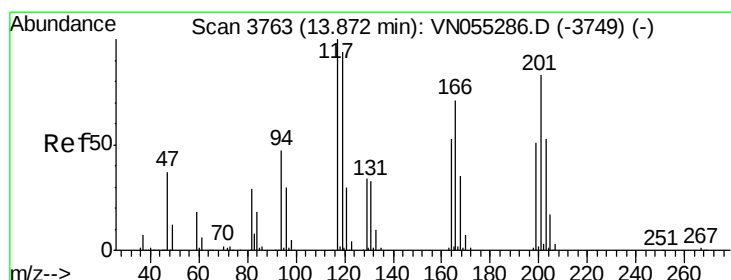
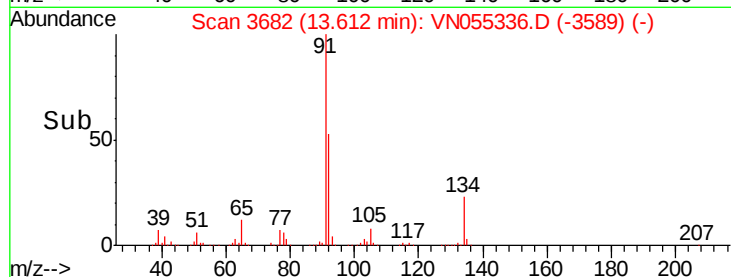
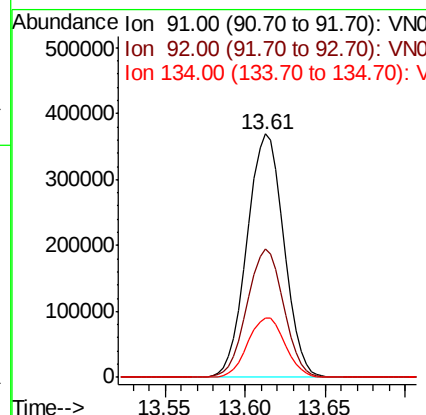
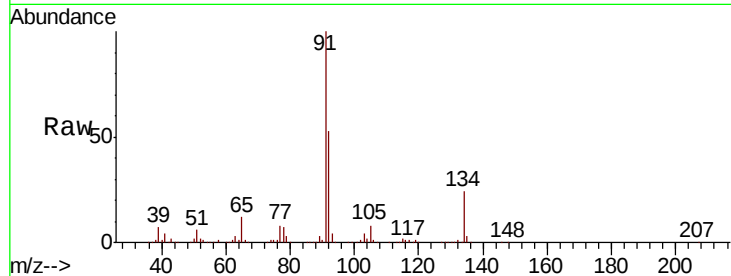
#89
n-Butylbenzene
Concen: 54.030 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.3
134	24.8	12.4	37.4

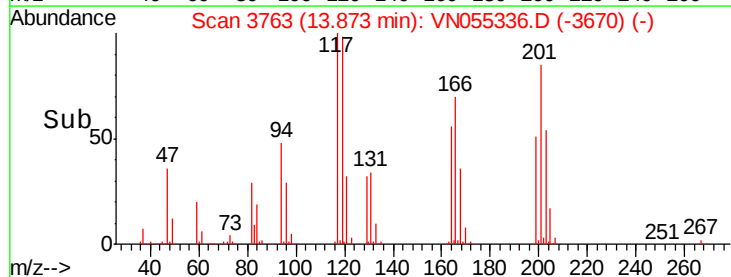
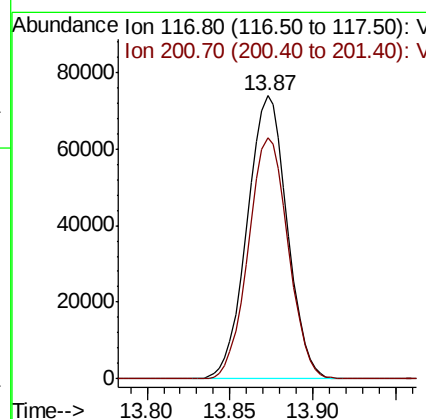
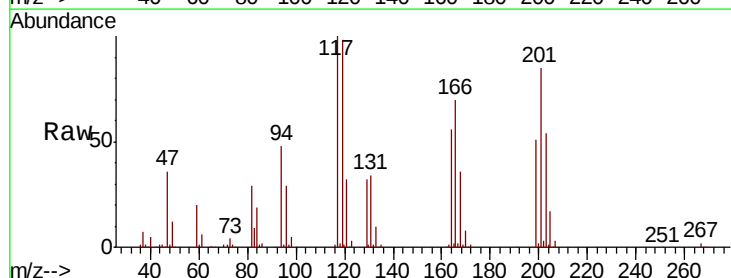
Manual Integrations
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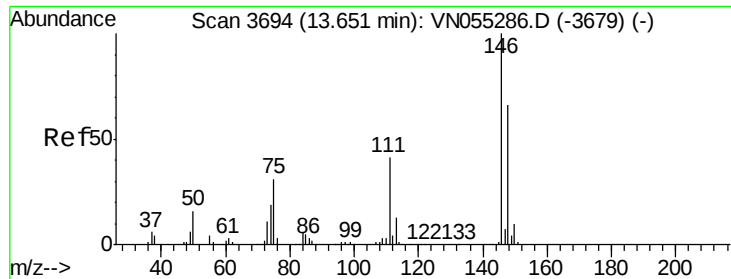
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#90
Hexachloroethane
Concen: 51.795 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055336.D
Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.8	41.9	125.8





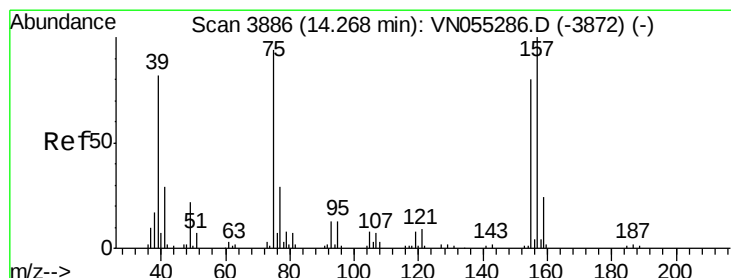
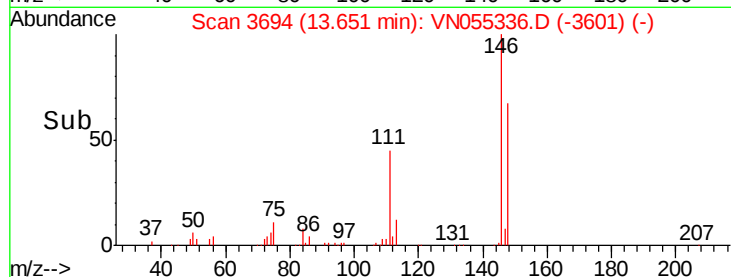
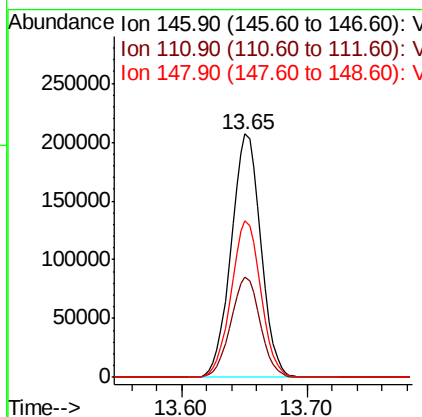
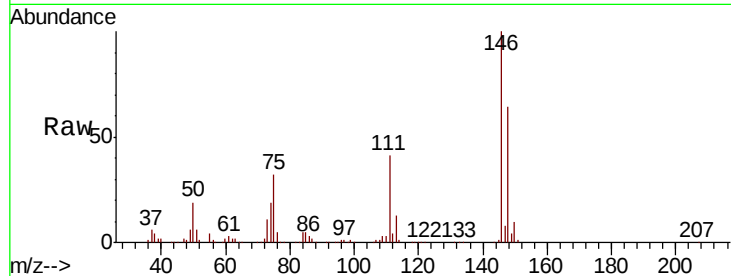
#91
 1,2-Dichlorobenzene
 Concen: 47.451 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	339405		
111	40.9	20.3	61.0	
148	64.4	32.4	97.2	

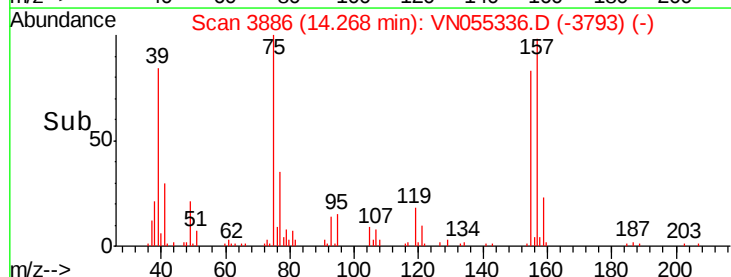
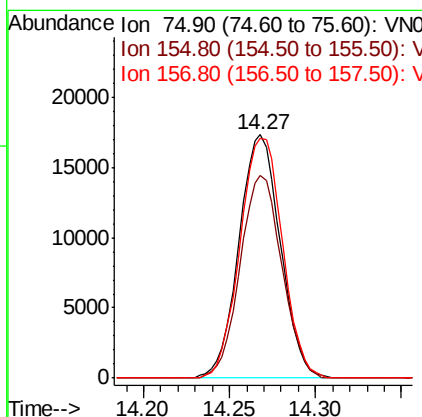
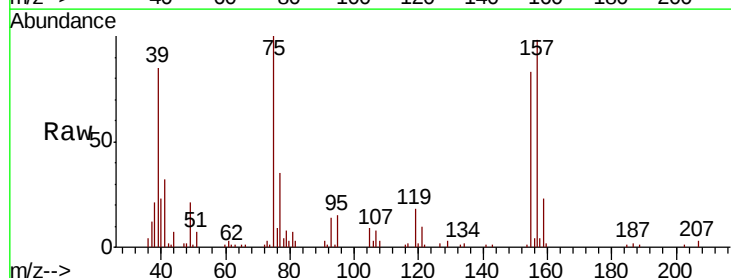
Manual Integrations
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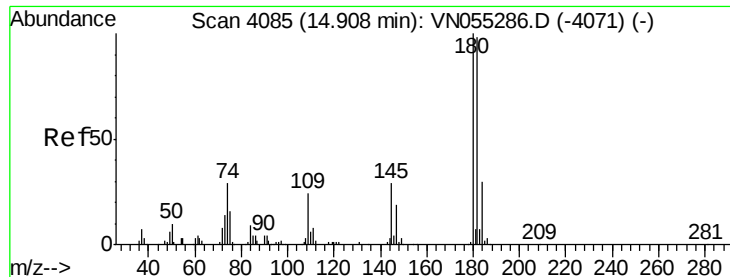
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.032 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28955		
155	84.1	41.5	124.6	
157	101.1	54.0	162.2	





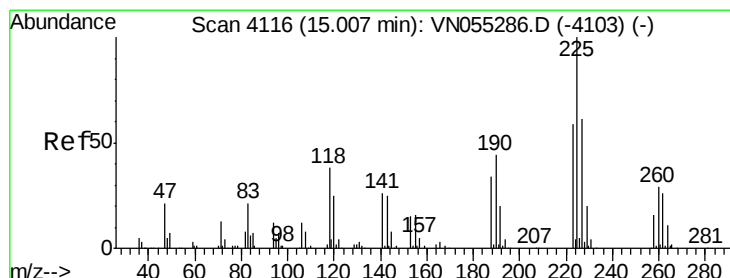
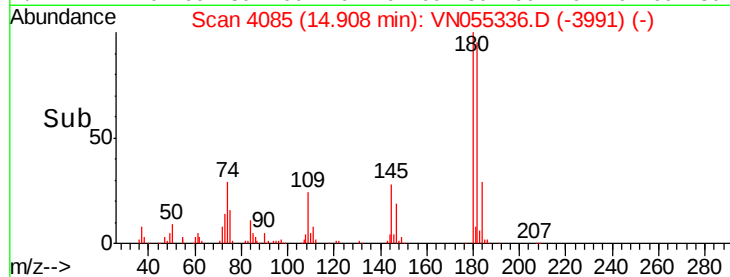
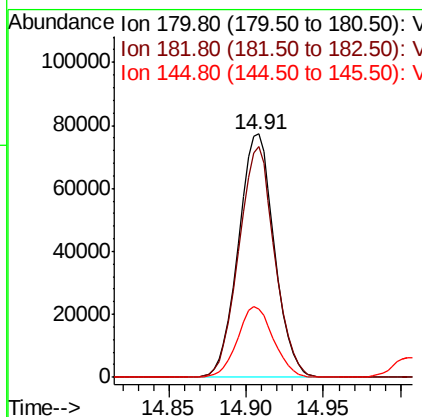
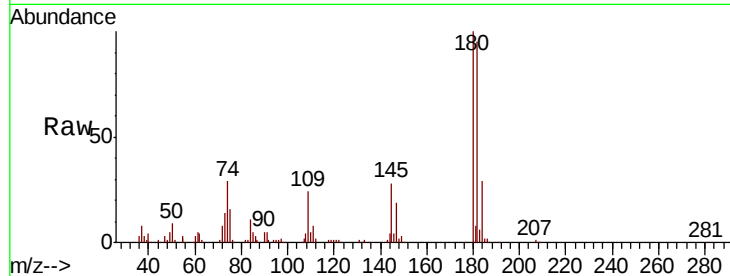
#93
 1,2,4-Trichlorobenzene
 Concen: 44.678 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	124922		
182	94.4	48.3	144.9	
145	29.0	14.2	42.6	

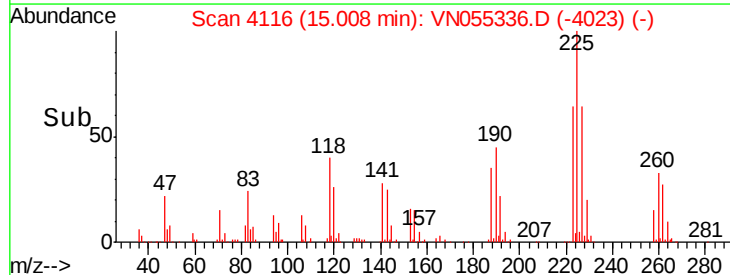
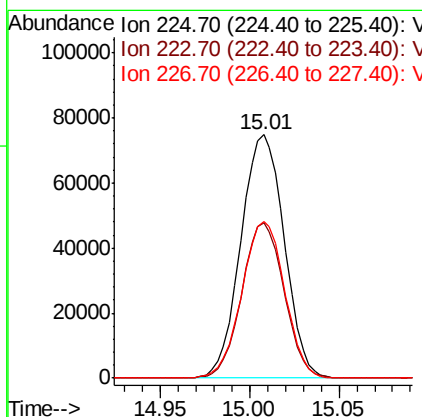
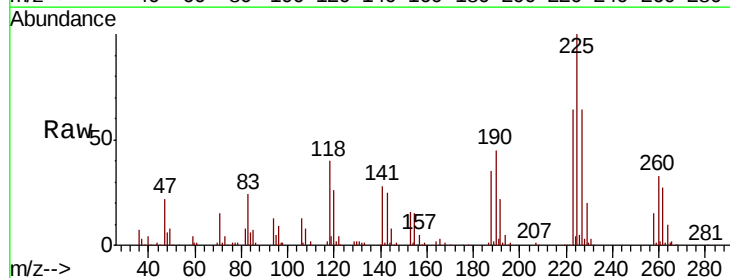
Manual Integrations
 APPROVED

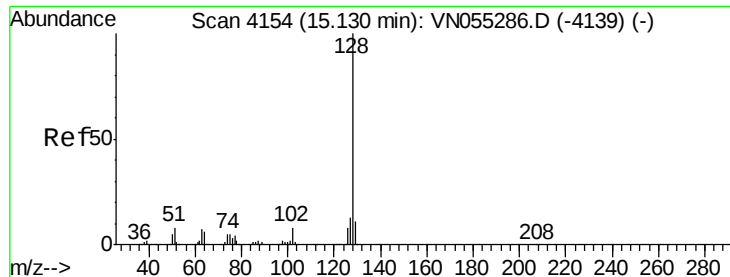
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 59.522 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055336.D
 Acq: 2 May 2019 8:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126965		
223	62.2	30.3	90.8	
227	63.6	30.9	92.7	





#95

Naphthalene

Concen: 40.357 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Instrument :

MSVOA_N

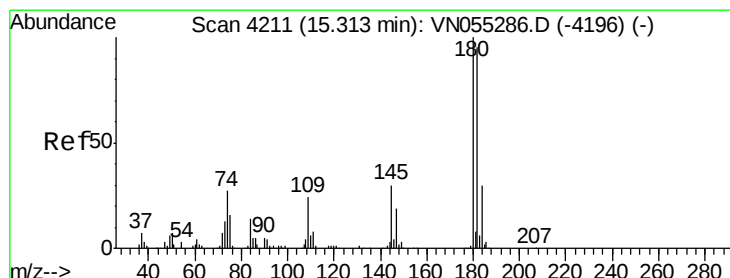
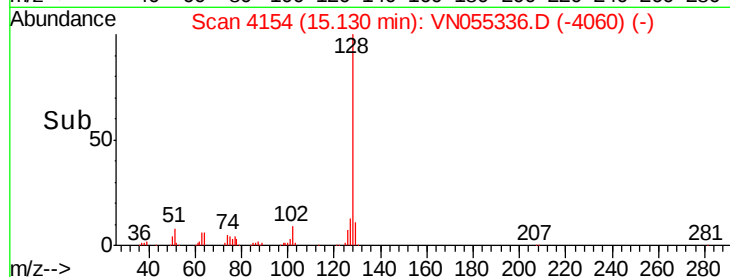
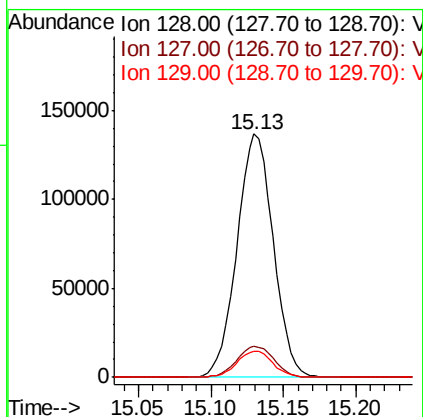
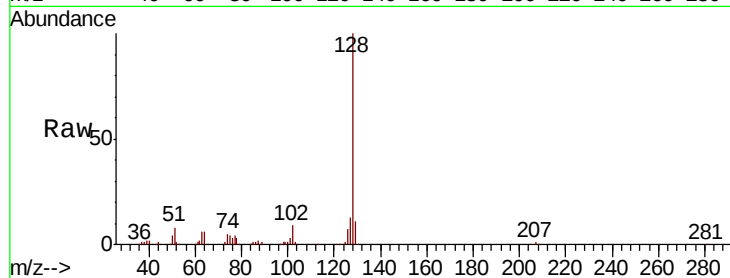
ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	237808
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.7	16.1
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/3/2019 1:09:07 PM



#96

1,2,3-Trichlorobenzene

Concen: 45.314 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055336.D

Acq: 2 May 2019 8:58

Tgt Ion:	180	Resp:	125120
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.3	144.9
145	31.3	15.2	45.6

