

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055429.D
 Acq On : 7 May 2019 11:37
 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
 5/8/2019 10:21:44 AM

Quant Time: May 08 06:32:25 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	7.67	168	390511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	613604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	525734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	226463	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	243749	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
35) Dibromofluoromethane	7.59	113	193196	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	10.09	98	695978	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	12.40	95	240744	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	214119	44.752	ug/l	99
3) Chloromethane	2.06	50	237716	40.124	ug/l	100
4) Vinyl Chloride	2.19	62	210477	44.073	ug/l	99
5) Bromomethane	2.56	94	143610	56.771	ug/l	99
6) Chloroethane	2.71	64	119308	46.116	ug/l	99
7) Trichlorofluoromethane	3.02	101	317552	46.762	ug/l	98
8) Diethyl Ether	3.41	74	120514	50.724	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	199282	49.280	ug/l	99
10) Methyl Iodide	3.96	142	262325	46.095	ug/l	99
11) Tert butyl alcohol	4.78	59	82332	281.485	ug/l	98
12) 1,1-Dichloroethene	3.74	96	180299	46.739	ug/l	98
13) Acrolein	3.61	56	57164	250.253	ug/l	98
14) Allyl chloride	4.33	41	402519	50.381	ug/l	99
15) Acrylonitrile	4.99	53	427992	260.326	ug/l	100
16) Acetone	3.82	43	435350	273.491	ug/l	96
17) Carbon Disulfide	4.06	76	405409	40.270	ug/l	98
18) Methyl Acetate	4.33	43	226421	58.568	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	579650	53.450	ug/l	100
20) Methylene Chloride	4.55	84	217150	44.692	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	186505	45.651	ug/l	99
22) Diisopropyl ether	5.95	45	838635	52.830	ug/l	98
23) Vinyl Acetate	5.90	43	2838634	272.841	ug/l	100
24) 1,1-Dichloroethane	5.85	63	420355	49.699	ug/l	100
25) 2-Butanone	6.83	43	563700	276.902	ug/l	97
26) 2,2-Dichloropropane	6.83	77	307872	52.713	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	230117	49.531	ug/l	97
28) Bromochloromethane	7.19	49	203387	47.706	ug/l	96
29) Tetrahydrofuran	7.21	42	346642	265.923	ug/l	99
30) Chloroform	7.37	83	397330	49.556	ug/l	99
31) Cyclohexane	7.65	56	363713	45.261	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	325828	50.072	ug/l	100
36) 1,1-Dichloropropene	7.79	75	280309	47.693	ug/l	99
37) Ethyl Acetate	6.93	43	232366	51.585	ug/l	98
38) Carbon Tetrachloride	7.77	117	274979	48.501	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	327761	52.451	ug/l	97
40) Benzene	8.04	78	850668	49.098	ug/l	100
41) Methacrylonitrile	7.17	41	134091	54.929	ug/l	96
42) 1,2-Dichloroethane	8.12	62	306846	50.003	ug/l	100
43) Isopropyl Acetate	8.16	43	413127	57.069	ug/l #	87
44) Trichloroethene	8.83	130	211123	47.799	ug/l	93
45) 1,2-Dichloropropane	9.12	63	253524	50.734	ug/l	98
46) Dibromomethane	9.21	93	136620	50.017	ug/l	97
47) Bromodichloromethane	9.40	83	306778	52.353	ug/l	99
48) Methyl methacrylate	9.20	41	188008	52.830	ug/l	97
49) 1,4-Dioxane	9.20	88	40796	1108.959	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1119381	274.649	ug/l	99
52) Toluene	10.16	92	501092	50.405	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	289317	56.875	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	354372	55.874	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	190039	51.479	ug/l	99
56) Ethyl methacrylate	10.43	69	260940	57.428	ug/l	99
57) 1,3-Dichloropropane	10.71	76	339684	52.452	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	328058	233.502	ug/l	99
59) 2-Hexanone	10.75	43	739755	290.089	ug/l	99
60) Dibromochloromethane	10.90	129	205931	54.581	ug/l	98
61) 1,2-Dibromoethane	11.00	107	176388	51.695	ug/l	98
64) Tetrachloroethene	10.63	164	208498	48.496	ug/l	99
65) Chlorobenzene	11.43	112	512345	49.845	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	203722	50.616	ug/l	99
67) Ethyl Benzene	11.51	91	967725	52.136	ug/l	99
68) m/p-Xylenes	11.62	106	702985	106.105	ug/l	99
69) o-Xylene	11.95	106	346154	52.712	ug/l	100
70) Styrene	11.96	104	577982	57.324	ug/l	100
71) Bromoform	12.13	173	128045	57.333	ug/l #	99
73) Isopropylbenzene	12.25	105	946942	52.723	ug/l	100
74) N-amyl acetate	12.07	43	312307	53.736	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	230310	51.418	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	215642m	51.294	ug/l	
77) Bromobenzene	12.52	156	219308	50.801	ug/l	97
78) n-propylbenzene	12.59	91	1088438	46.789	ug/l	100
79) 2-Chlorotoluene	12.67	91	646314	52.810	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	819212	46.142	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	58504	48.957	ug/l	99
82) 4-Chlorotoluene	12.77	91	630582	46.621	ug/l	99
83) tert-Butylbenzene	12.99	119	694314	55.575	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	787891	49.621	ug/l	100
85) sec-Butylbenzene	13.17	105	934222	48.413	ug/l	100
86) p-Isopropyltoluene	13.29	119	819936	51.697	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	381696	50.369	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	368618	51.653	ug/l	98
89) n-Butylbenzene	13.61	91	682162	60.528	ug/l	100
90) Hexachloroethane	13.87	117	135324	54.013	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	373608	49.743	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35721	59.956	ug/l	96

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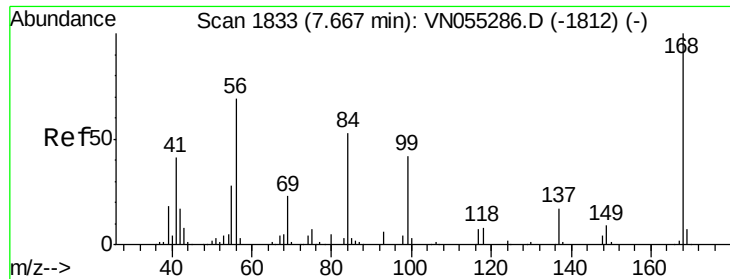
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	172028	57.562	ug/l	98
94) Hexachlorobutadiene	15.01	225	152178	68.361	ug/l	97
95) Naphthalene	15.13	128	316868	50.316	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	168757	57.461	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 390511

Ion Ratio Lower Upper

168 100

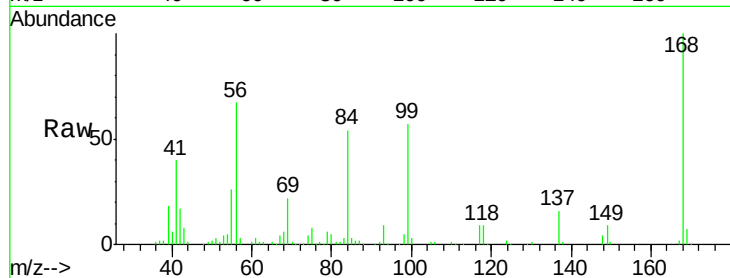
99 56.3 43.6 65.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

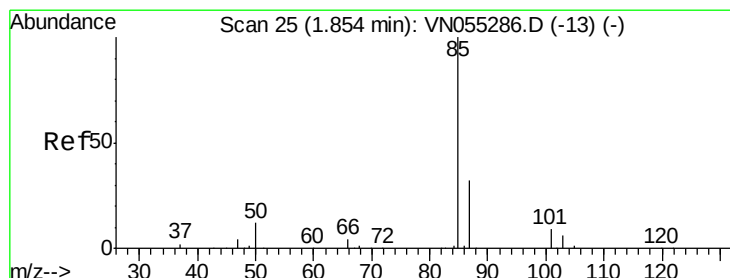
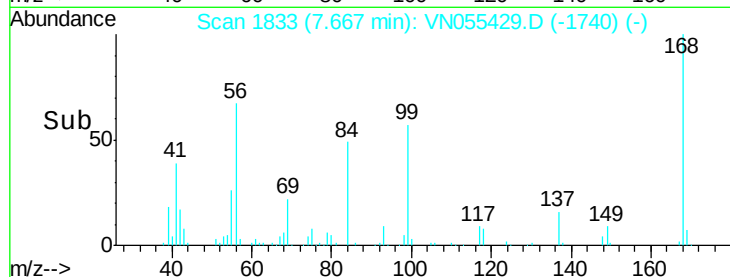
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.752 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055429.D

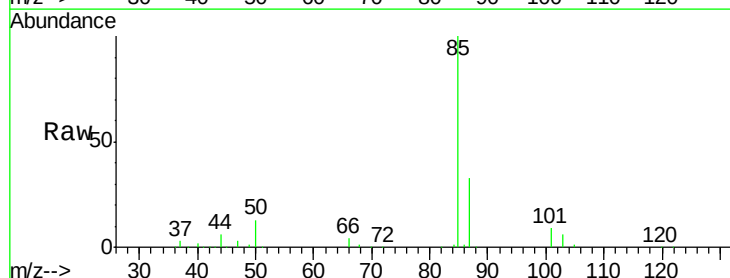
Acq: 7 May 2019 11:37

Tgt Ion: 85 Resp: 214119

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

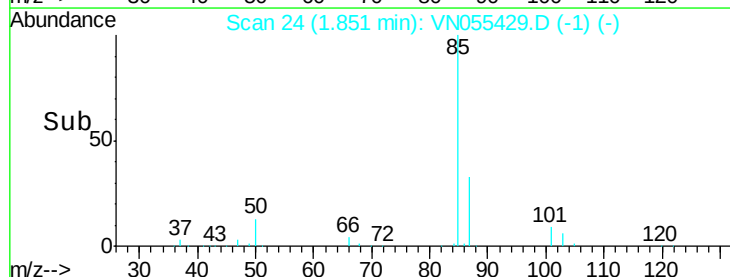
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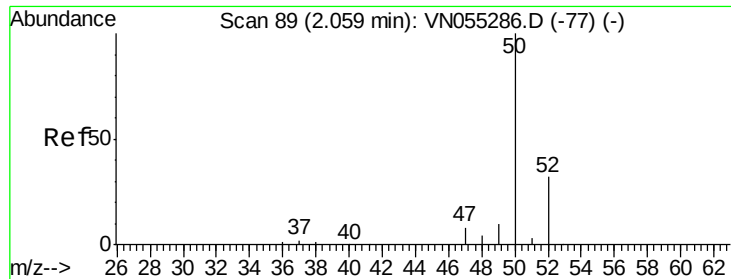
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 40.124 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 237716

Ion Ratio Lower Upper

50 100

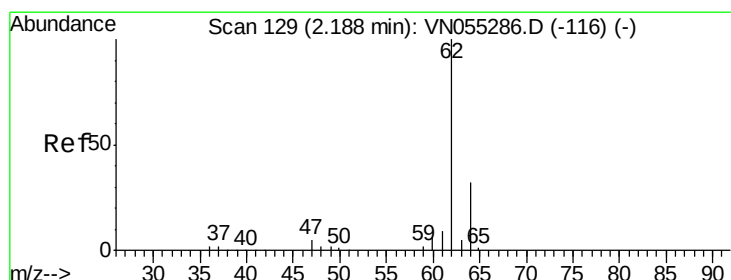
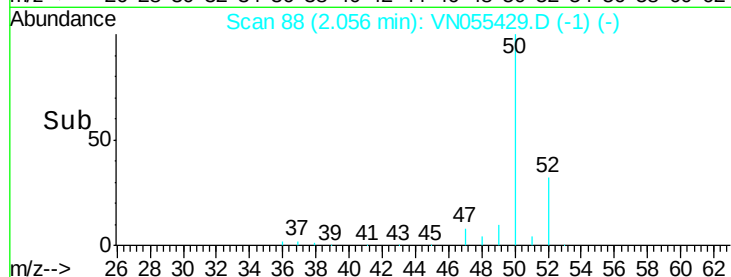
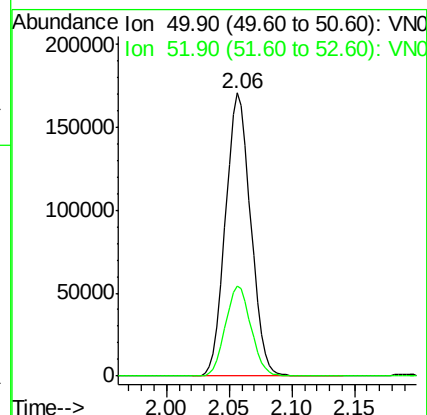
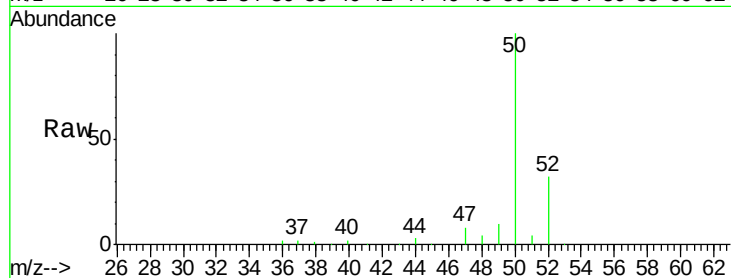
52 31.9 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.073 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055429.D

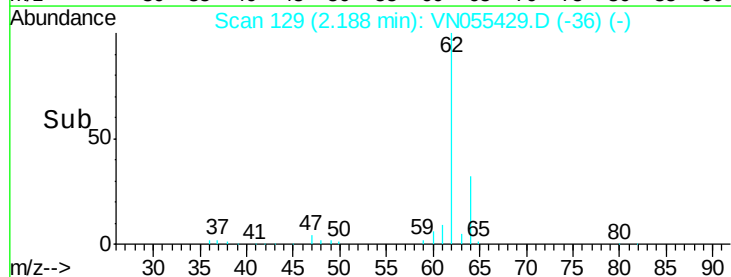
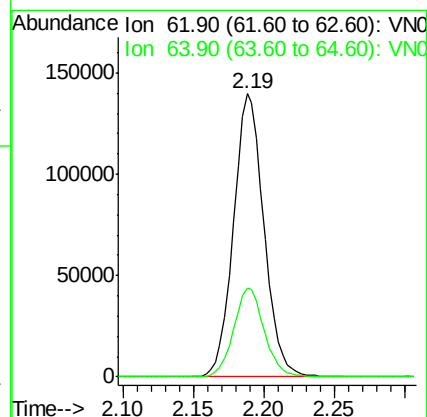
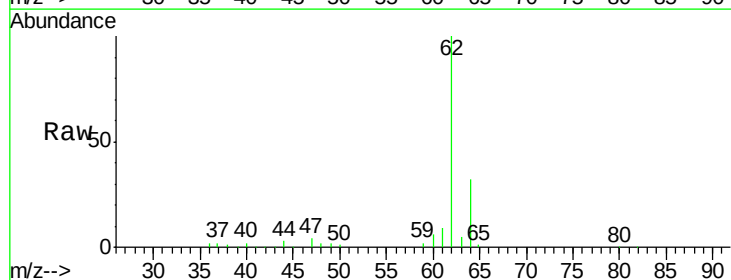
Acq: 7 May 2019 11:37

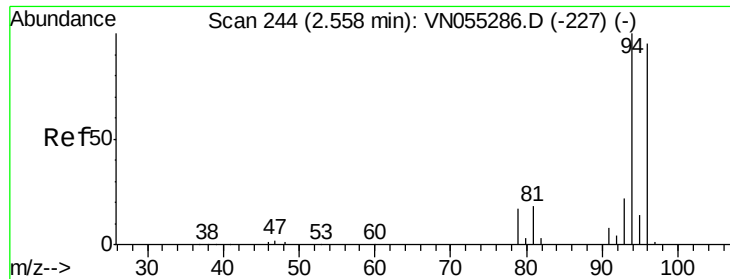
Tgt Ion: 62 Resp: 210477

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3





#5

Bromomethane

Concen: 56.771 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 143610

Ion Ratio Lower Upper

94 100

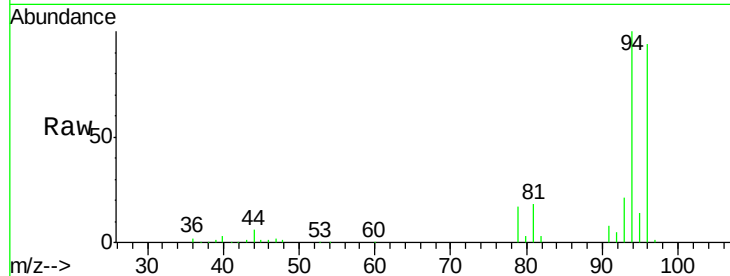
96 94.2 76.0 114.0

Manual Integrations

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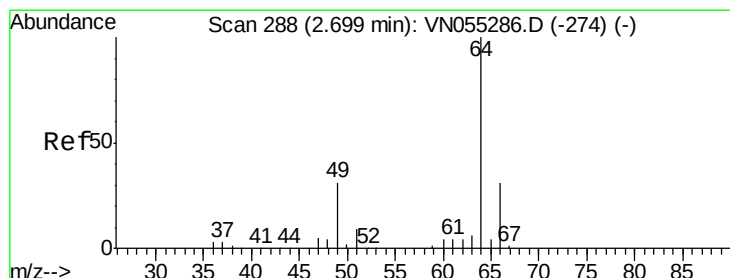
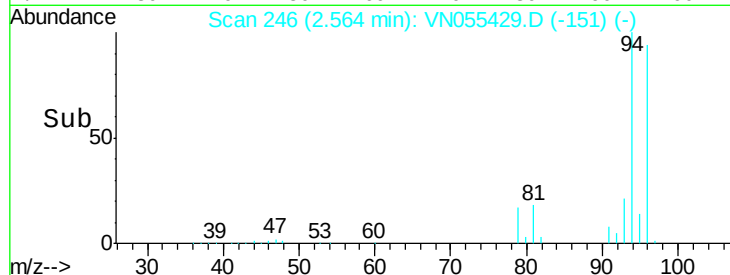
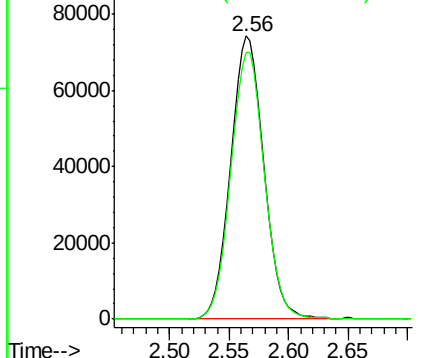
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.116 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055429.D

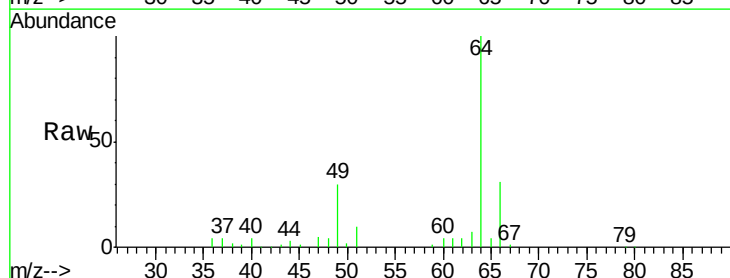
Acq: 7 May 2019 11:37

Tgt Ion: 64 Resp: 119308

Ion Ratio Lower Upper

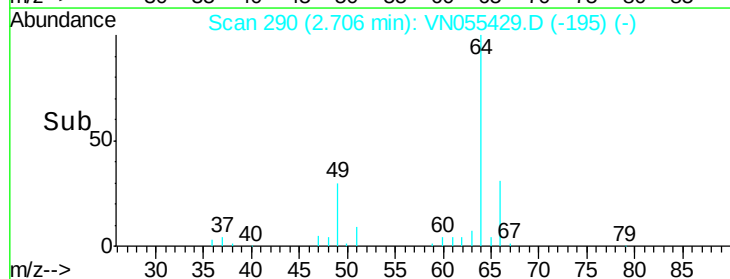
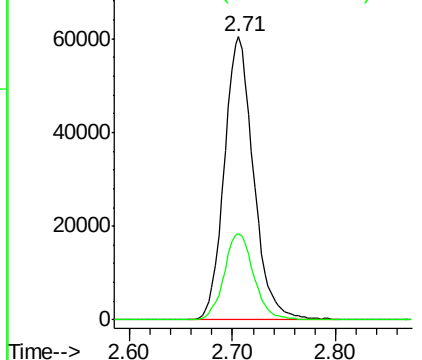
64 100

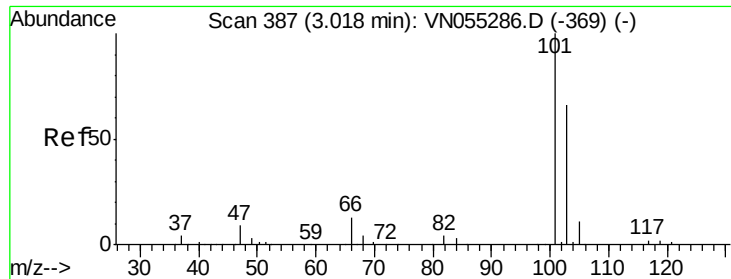
66 30.5 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

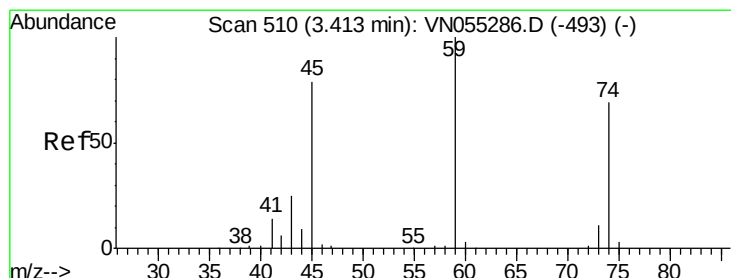
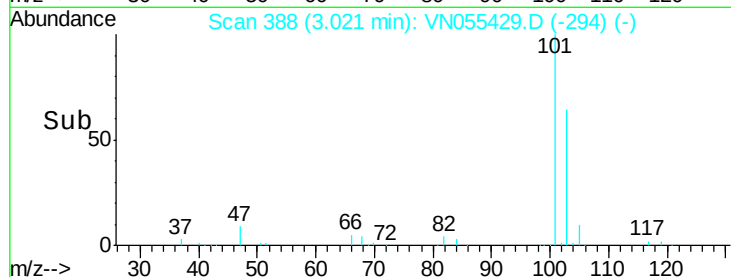
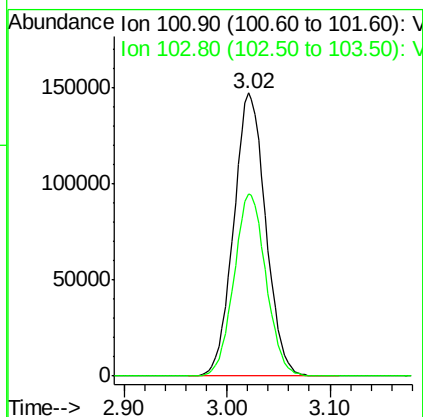
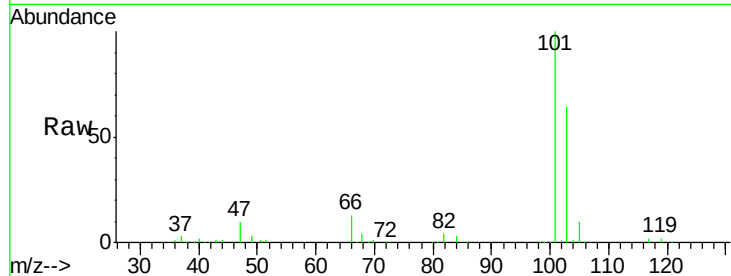
Trichlorofluoromethane
Concen: 46.762 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 317552
Ion Ratio Lower Upper
101 100
103 64.3 52.6 79.0

Manual Integrations
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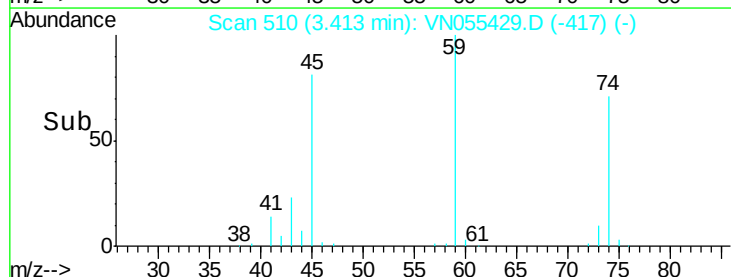
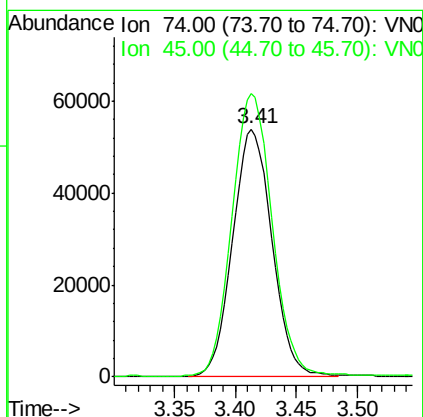
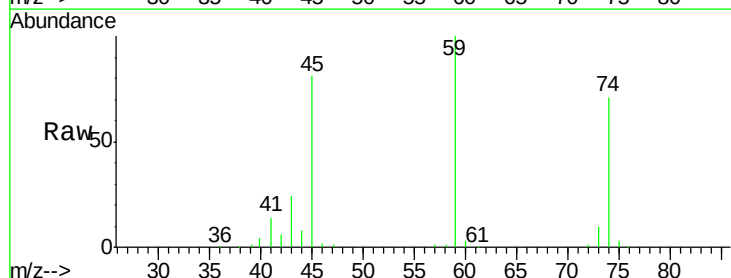
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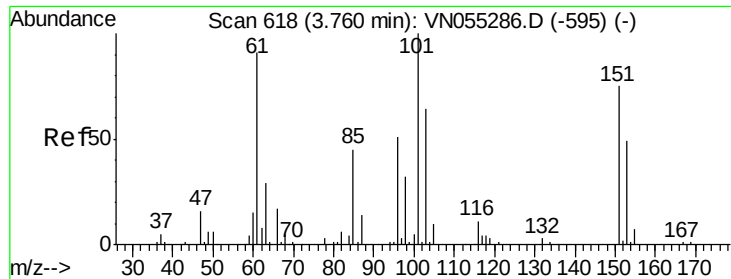


#8

Diethyl Ether
Concen: 50.724 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion: 74 Resp: 120514
Ion Ratio Lower Upper
74 100
45 117.4 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.280 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

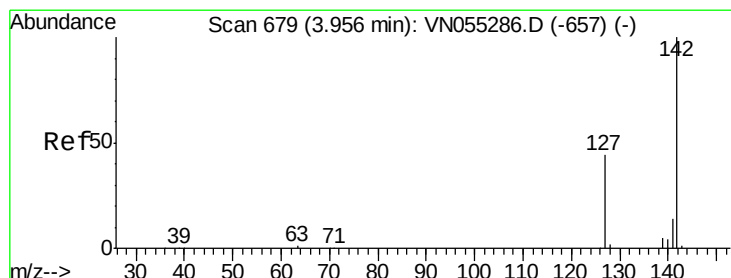
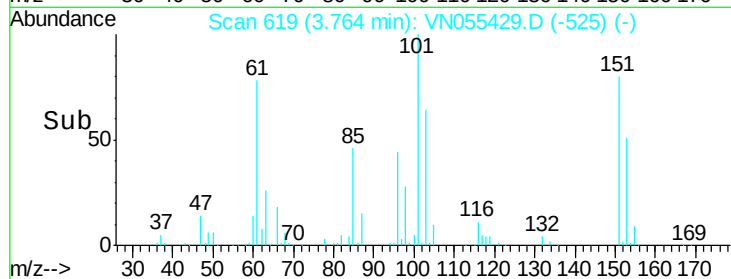
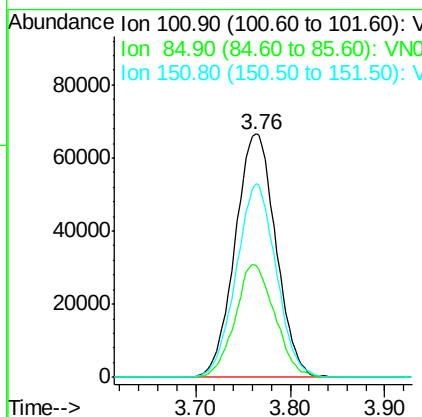
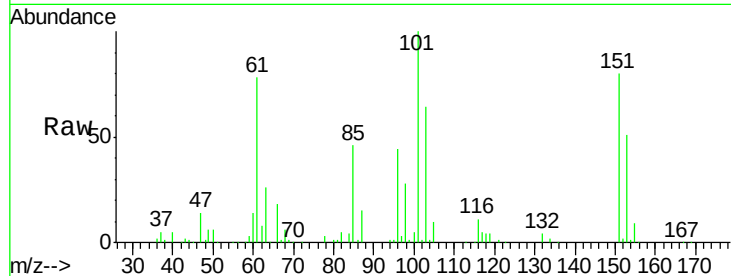
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	199282
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.7	53.5
151	78.0	63.3	94.9

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#10

Methyl Iodide

Concen: 46.095 ug/l

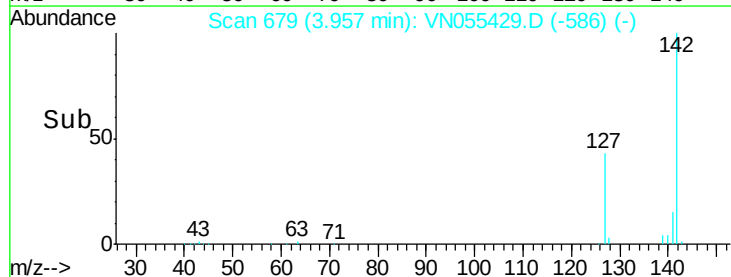
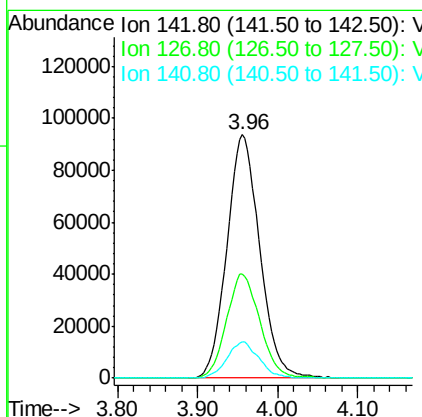
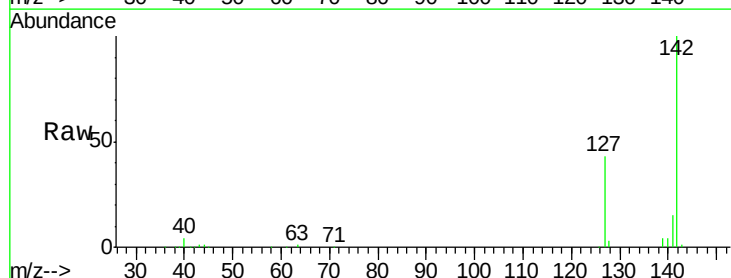
RT: 3.96 min Scan# 679

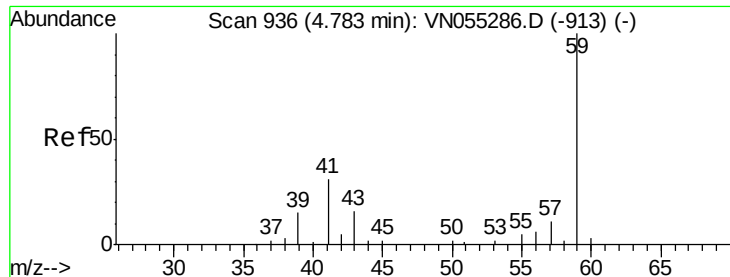
Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Tgt Ion:	142	Resp:	262325
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.4	51.6
141	14.6	11.5	17.3





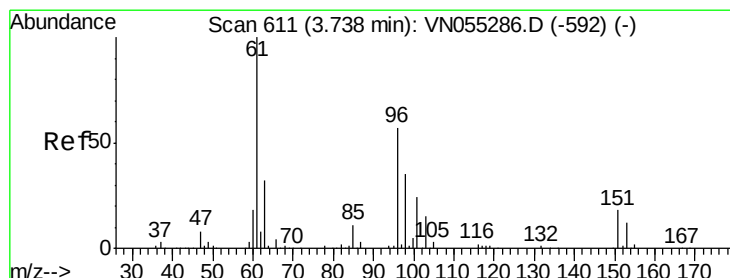
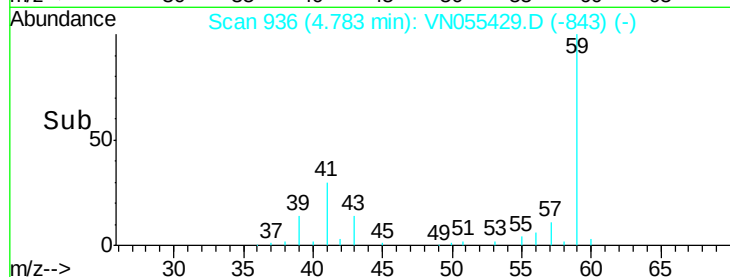
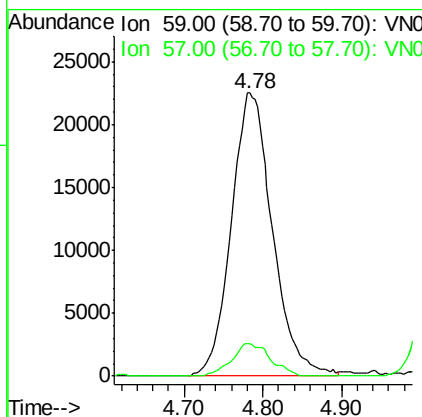
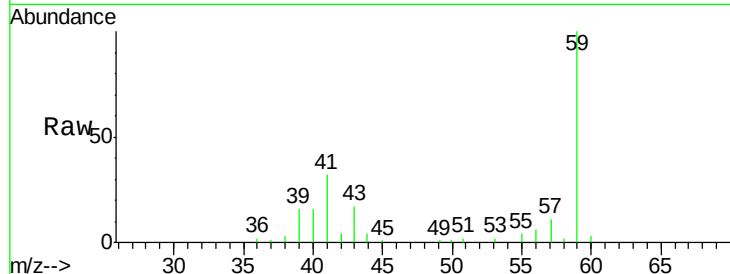
#11
Tert butyl alcohol
Concen: 281.485 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.9	Resp	82332	Lower	Upper
59	100								
57		10.9						8.2	12.2

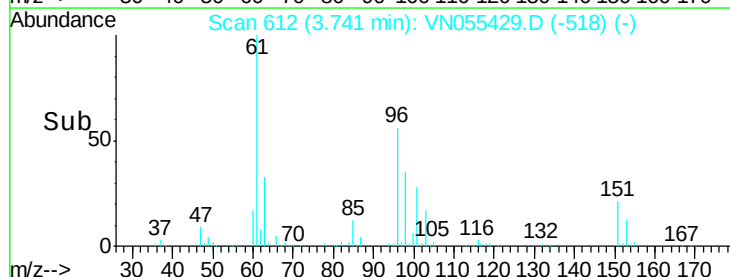
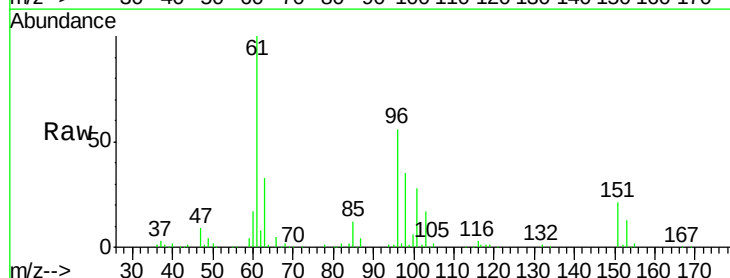
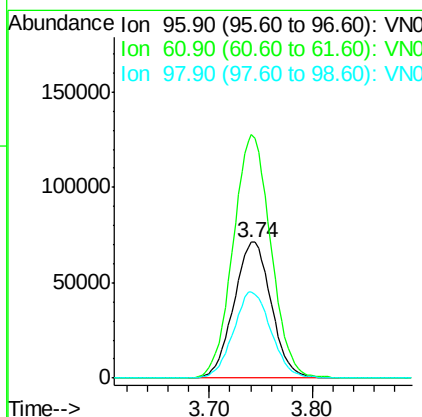
Manual Integrations
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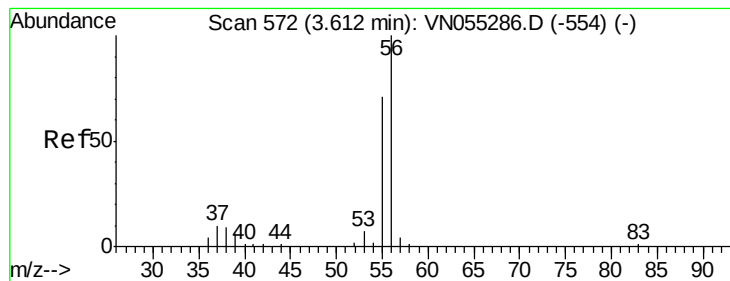
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#12
1,1-Dichloroethene
Concen: 46.739 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion	96	61	98	Ratio	100	178.9	63.0	Resp	180299	Lower	Upper
96	100										
61		178.9								140.9	211.3
98		63.0								50.0	75.0





#13

Acrolein

Concen: 250.253 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 57164

Ion Ratio Lower Upper

56 100

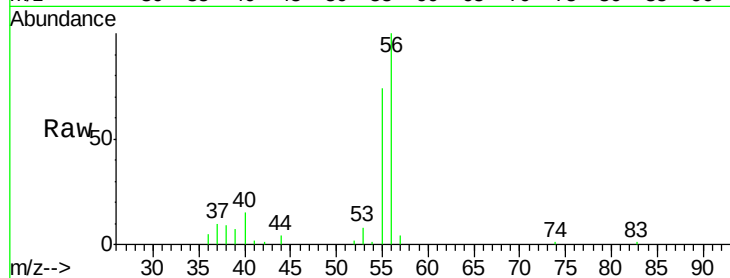
55 73.6 57.4 86.2

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

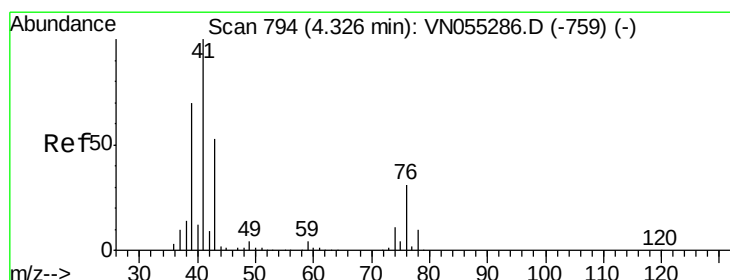
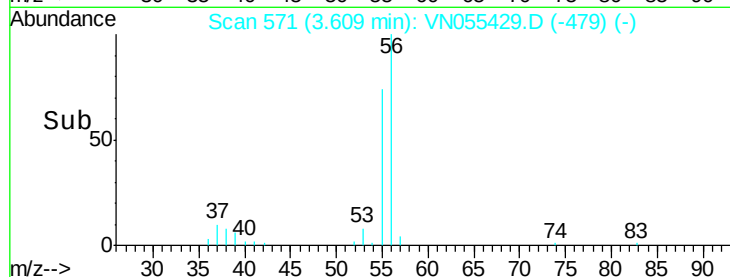
15000

10000

5000

0

Time--> 3.50 3.60 3.70



#14

Allyl chloride

Concen: 50.381 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

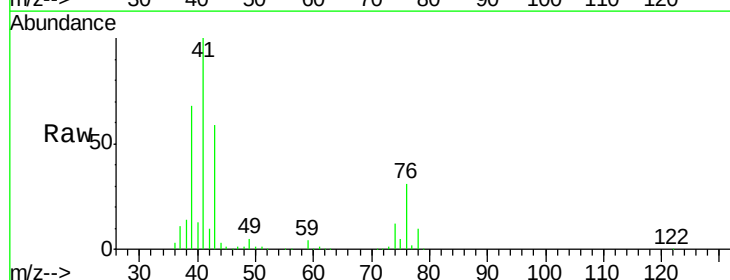
Tgt Ion: 41 Resp: 402519

Ion Ratio Lower Upper

41 100

39 65.0 53.0 79.6

76 28.4 22.7 34.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

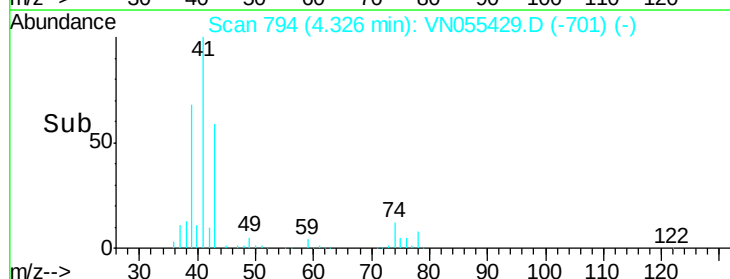
150000

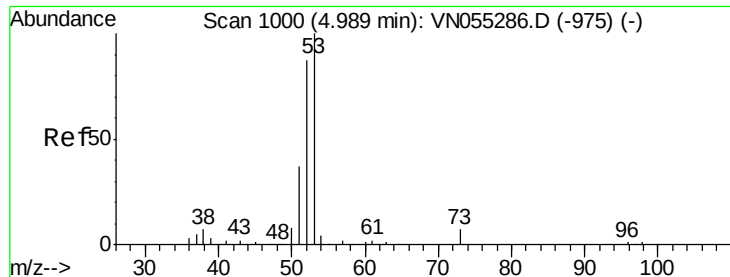
100000

50000

0

Time--> 4.10 4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 260.326 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

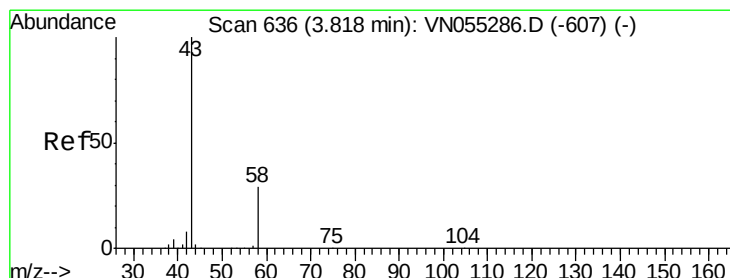
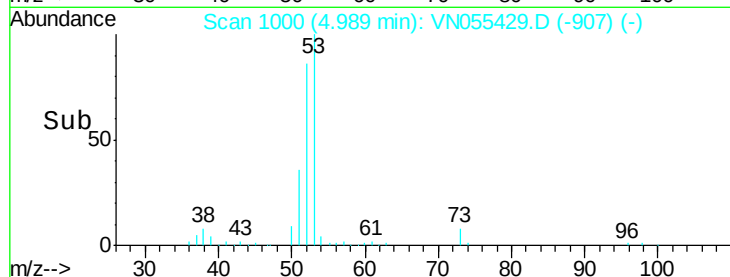
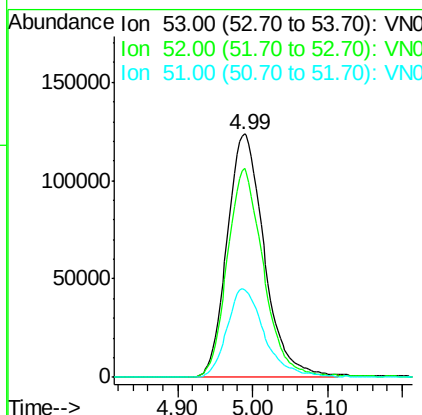
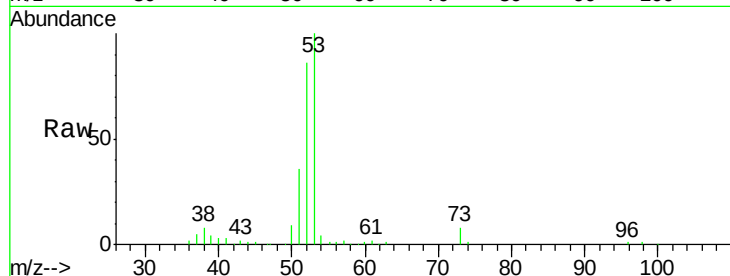
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	427992
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.5	99.7
51	36.7	29.6	44.4

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#16

Acetone

Concen: 273.491 ug/l

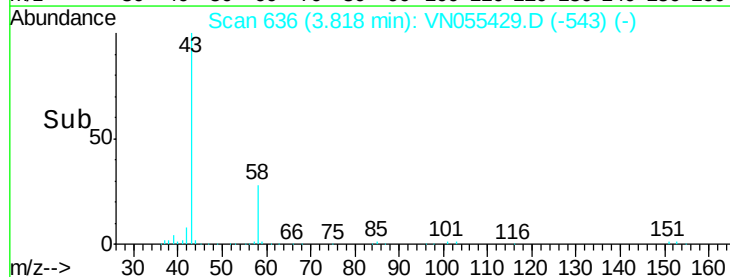
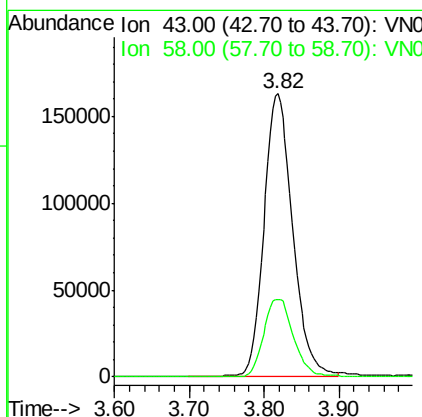
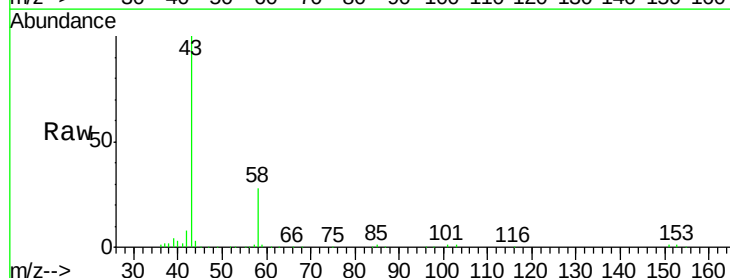
RT: 3.82 min Scan# 636

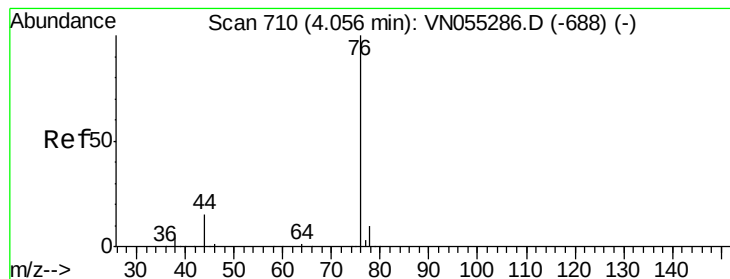
Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Tgt Ion:	43	Resp:	435350
Ion	Ratio	Lower	Upper
43	100		
58	27.5	23.6	35.4





#17

Carbon Disulfide

Concen: 40.270 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Tot Ion: 76 Resp: 405409

Ion Ratio Lower Upper

76 100

78 8.8 7.6 11.4

Instrument :

MSVOA_N

ClientSampled :

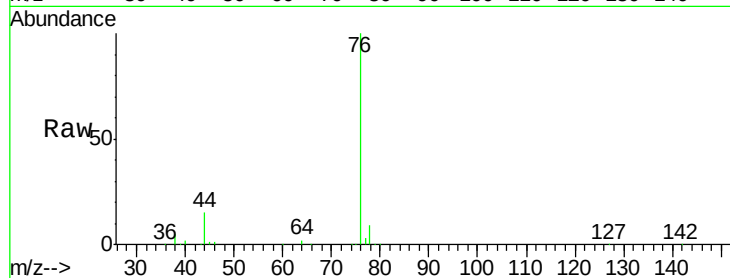
VSTDCCC050

Manual Integrations

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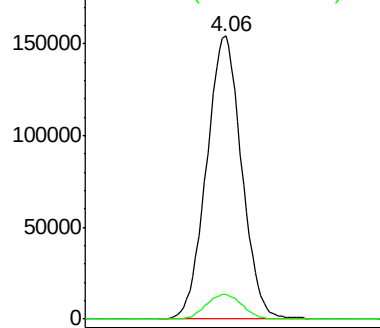
MMDadoda

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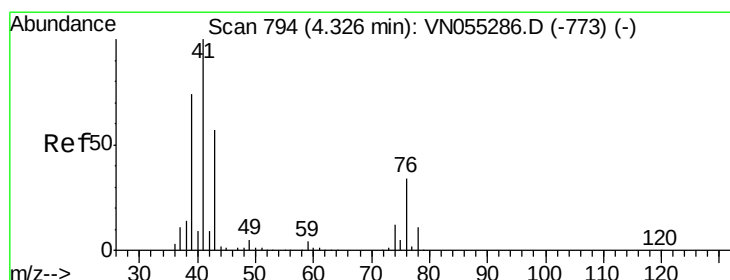
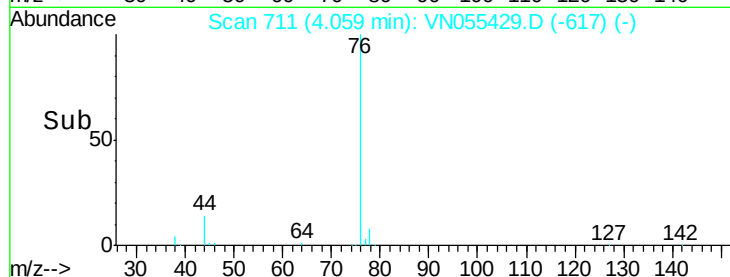


Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



Time-->



#18

Methyl Acetate

Concen: 58.568 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055429.D

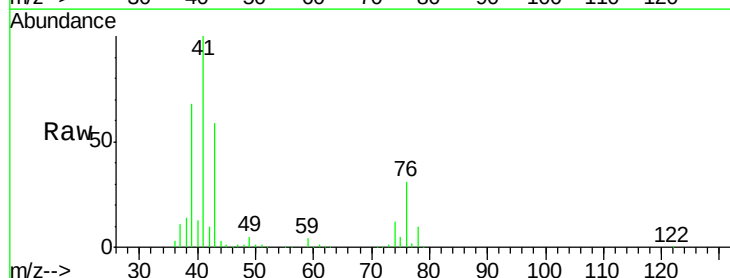
Acq: 7 May 2019 11:37

Tgt Ion: 43 Resp: 226421

Ion Ratio Lower Upper

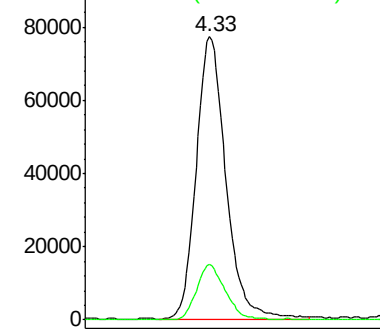
43 100

74 19.0 15.8 23.8

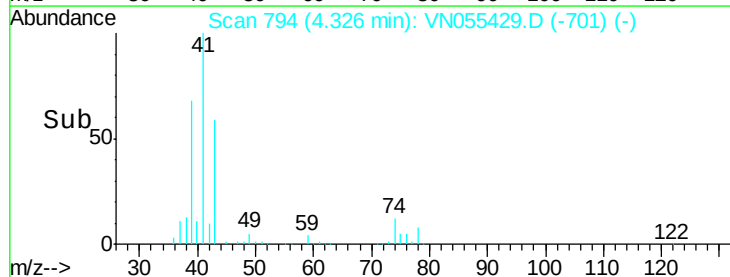


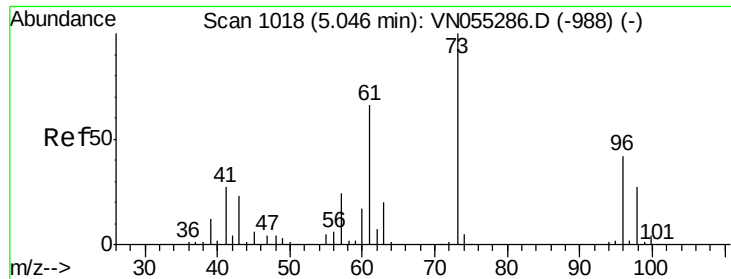
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO



Time-->





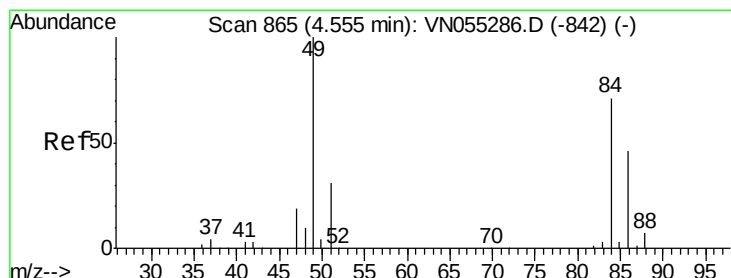
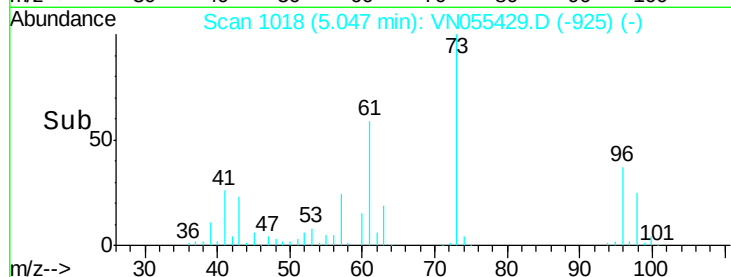
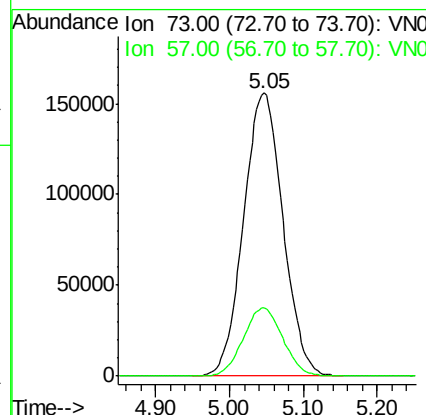
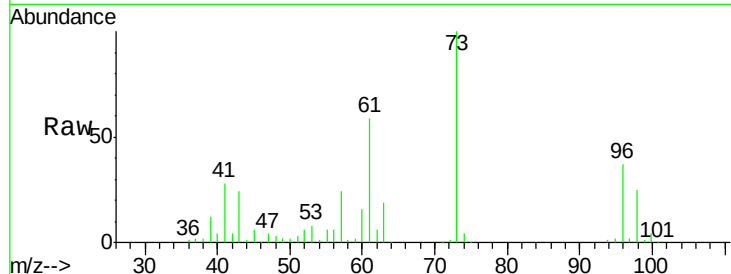
#19
Methyl tert-butyl Ether
Concen: 53.450 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 579650
Ion Ratio Lower Upper
73 100
57 24.0 19.1 28.7

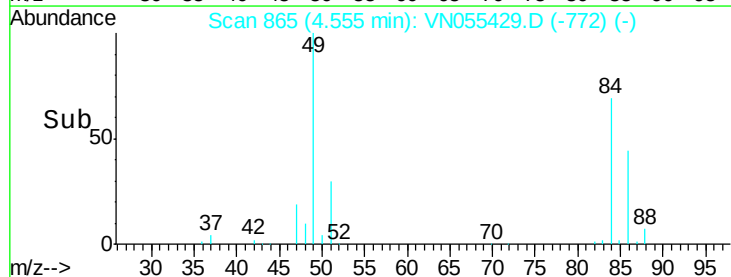
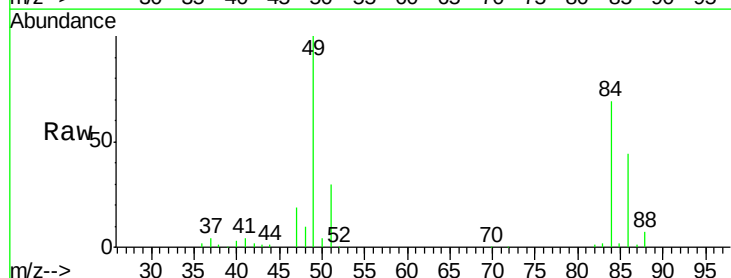
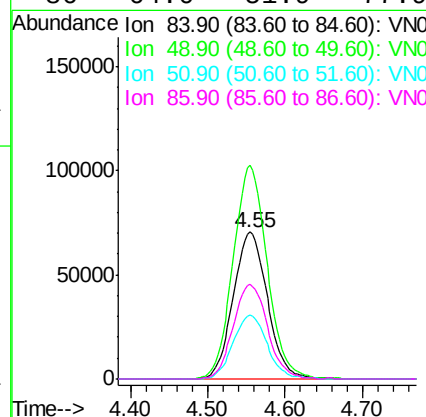
Manual Integrations
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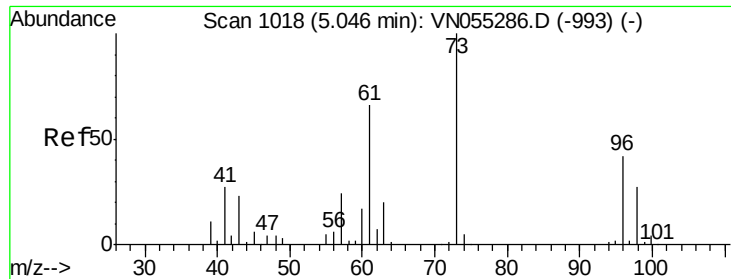
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#20
Methylene Chloride
Concen: 44.692 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion: 84 Resp: 217150
Ion Ratio Lower Upper
84 100
49 145.3 112.4 168.6
51 43.2 34.6 51.8
86 64.0 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 45.651 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

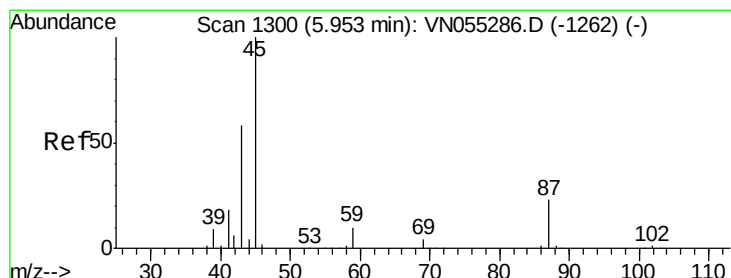
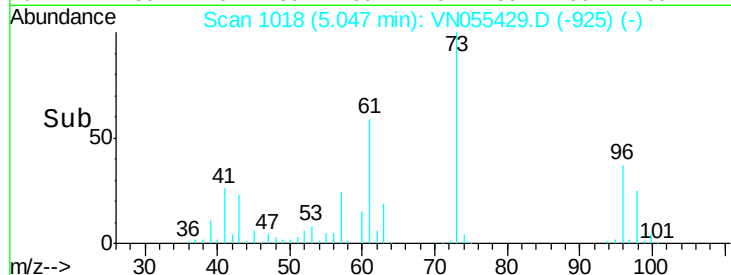
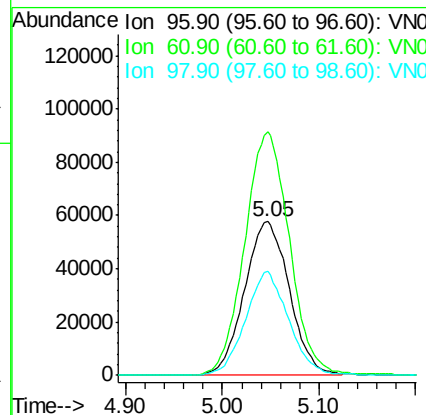
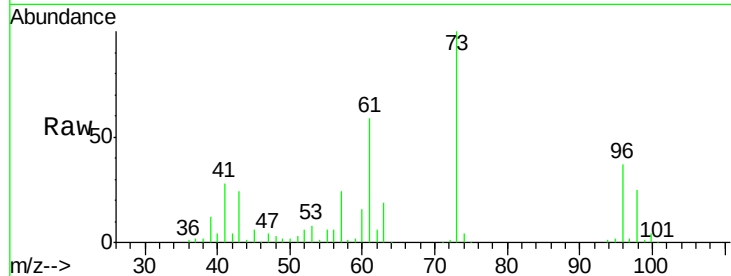
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	186505
Ion	Ratio	Lower	Upper
96	100		
61	158.3	126.2	189.4
98	67.3	52.2	78.2

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#22

Diisopropyl ether

Concen: 52.830 ug/l

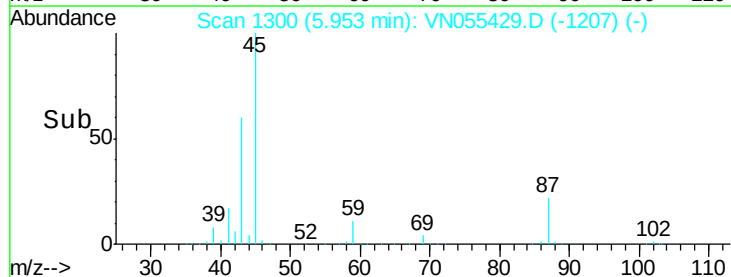
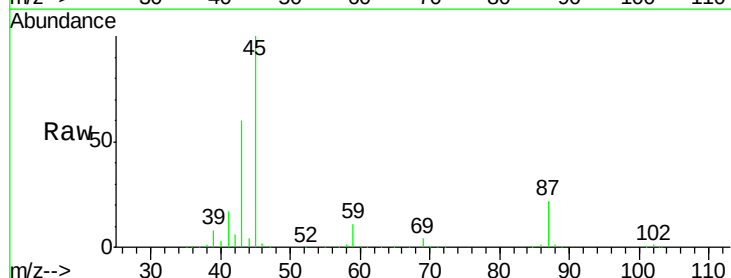
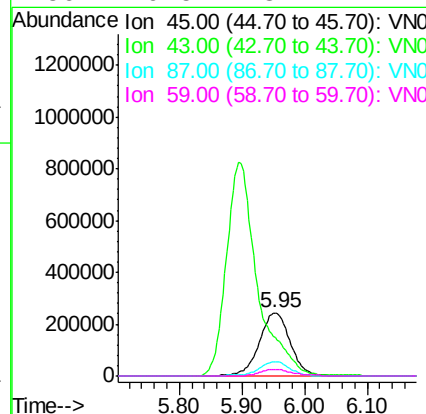
RT: 5.95 min Scan# 1300

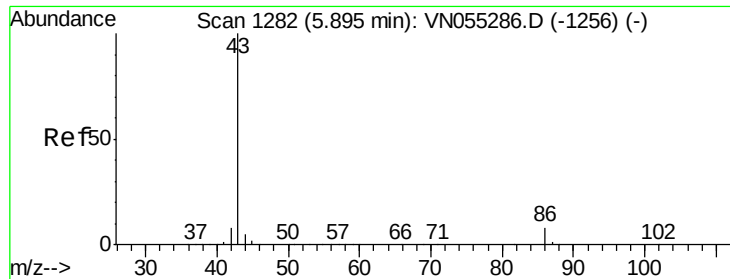
Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Tgt Ion:	45	Resp:	838635
Ion	Ratio	Lower	Upper
45	100		
43	60.0	46.6	70.0
87	22.1	18.1	27.1
59	10.5	8.2	12.2





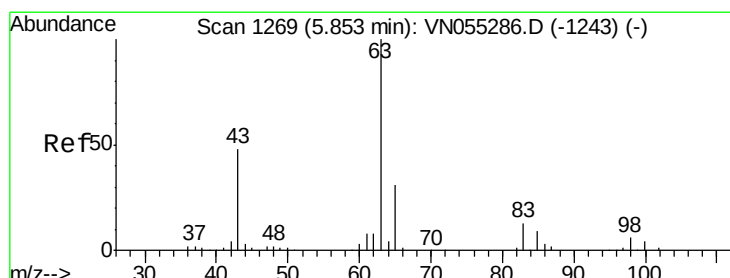
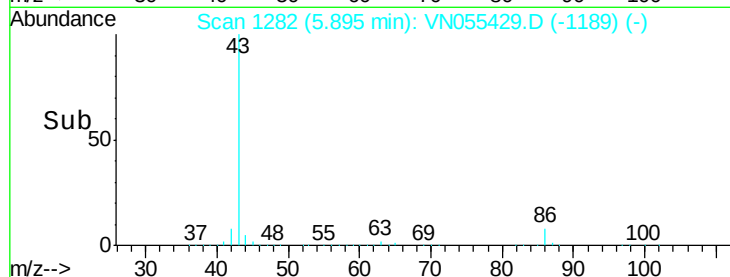
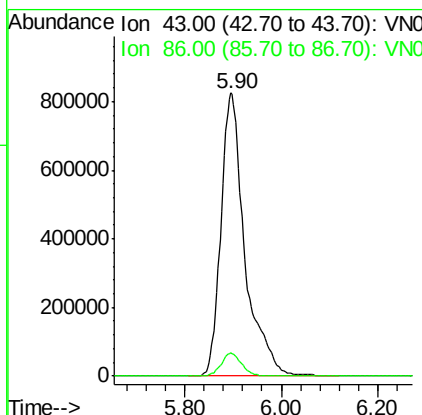
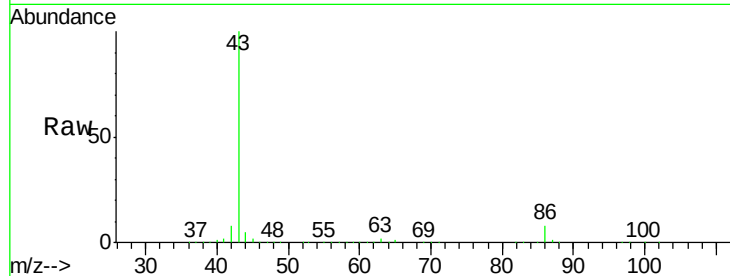
#23
 Vinyl Acetate
 Concen: 272.841 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2838634
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.6 10.0

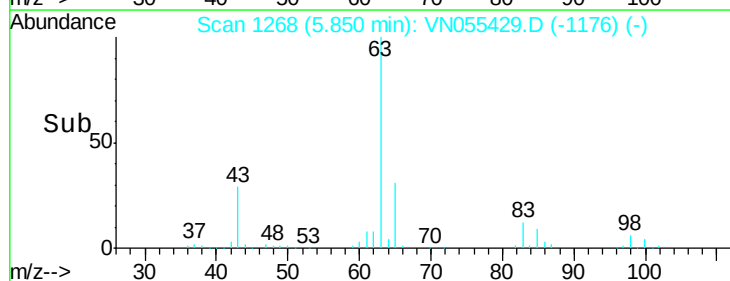
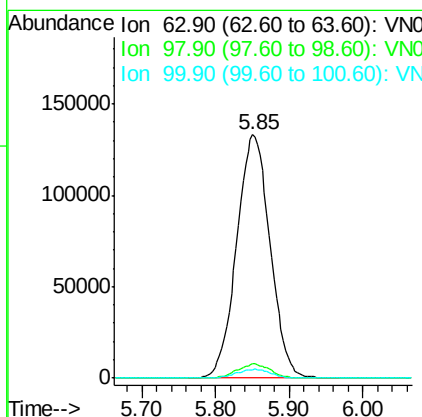
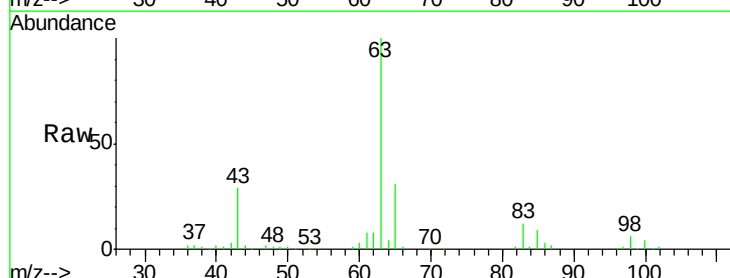
Manual Integrations
 APPROVED

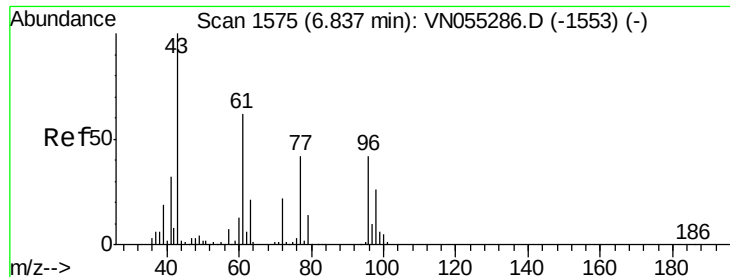
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 49.699 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion: 63 Resp: 420355
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.0
 100 3.5 1.8 5.4





#25

2-Butanone

Concen: 276.902 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 563700

Ion Ratio Lower Upper

43 100

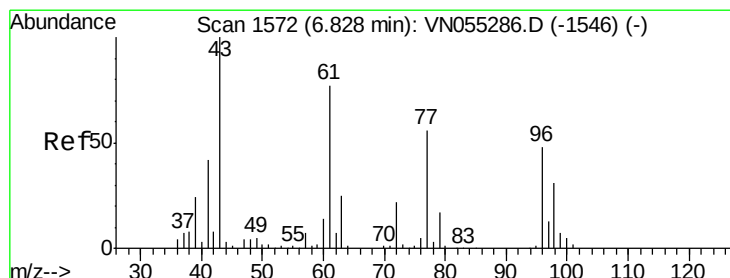
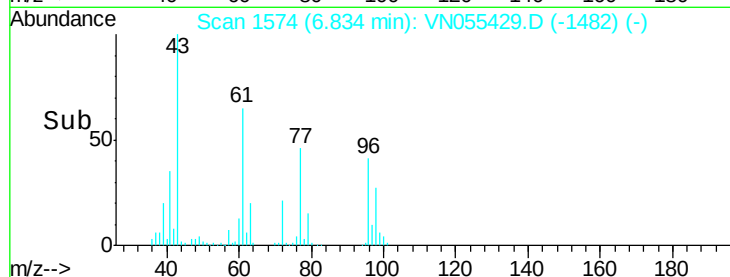
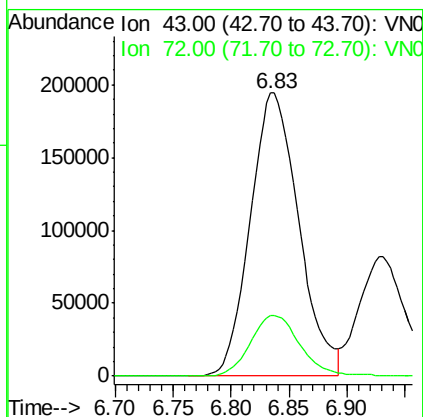
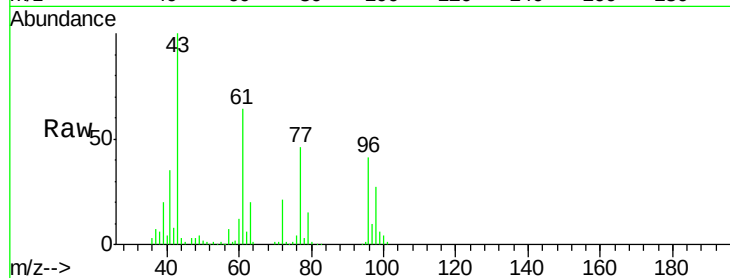
72 21.3 18.0 27.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.713 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055429.D

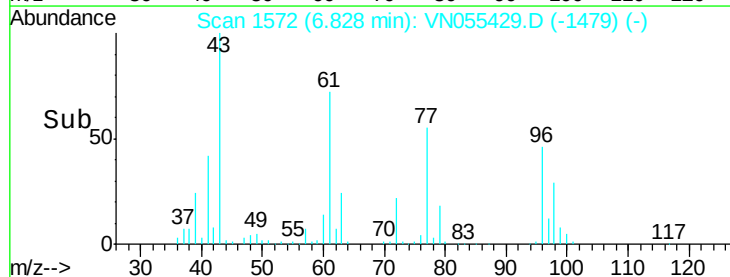
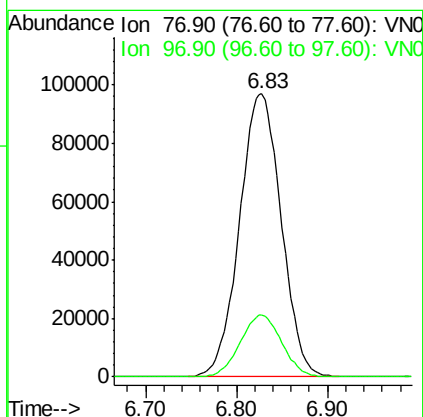
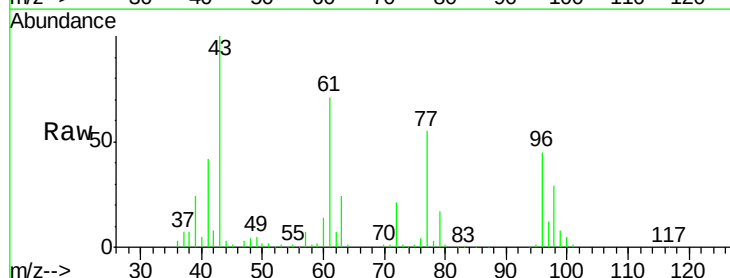
Acq: 7 May 2019 11:37

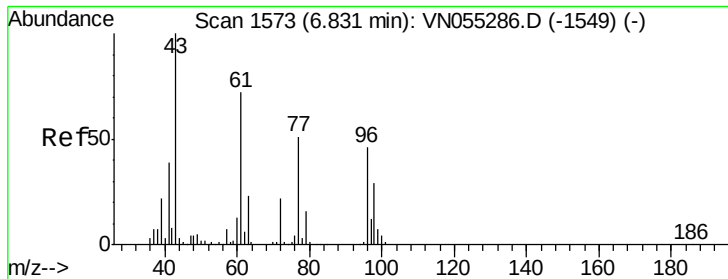
Tgt Ion: 77 Resp: 307872

Ion Ratio Lower Upper

77 100

97 21.9 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 49.531 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

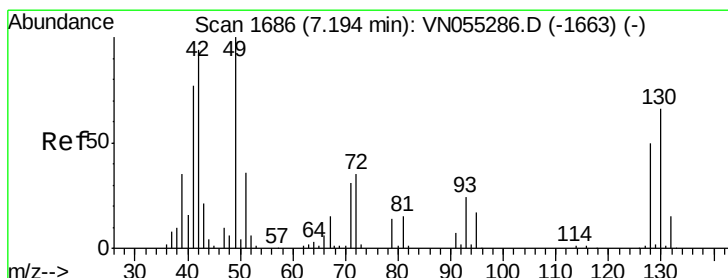
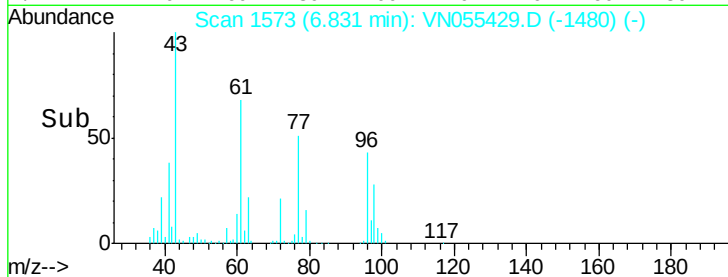
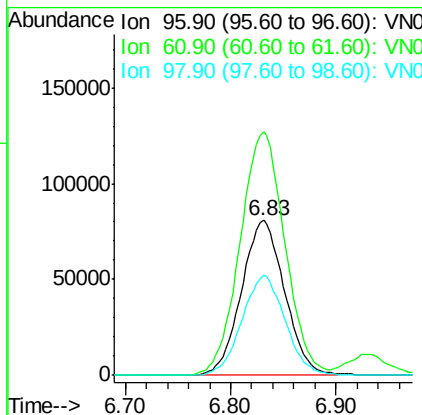
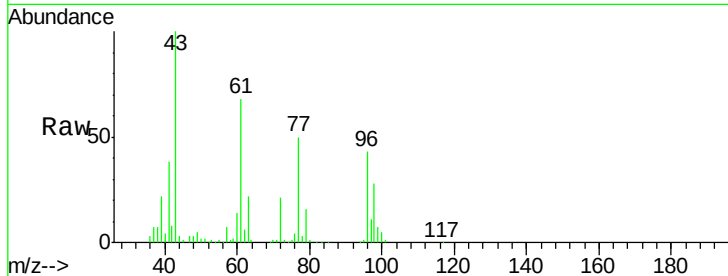
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	230117
Ion	Ratio	Lower	Upper
96	100		
61	162.9	0.0	316.2
98	64.8	0.0	126.6

Manual Integrations
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5/8/2019 10:21:44 AM



#28

Bromochloromethane

Concen: 47.706 ug/l

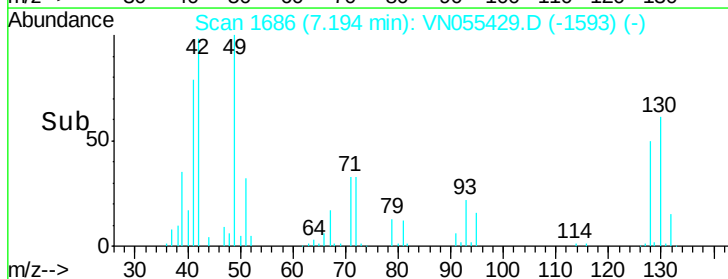
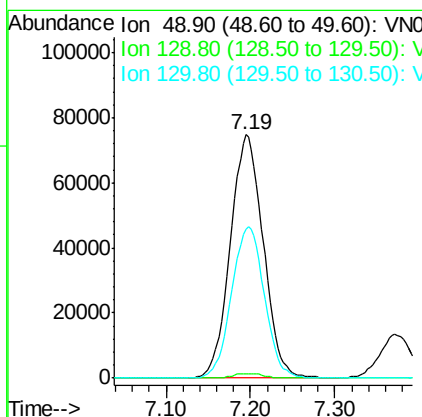
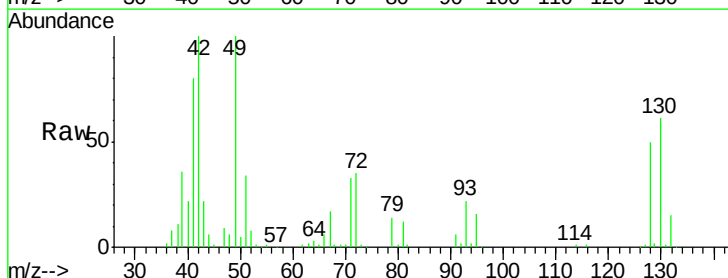
RT: 7.19 min Scan# 1686

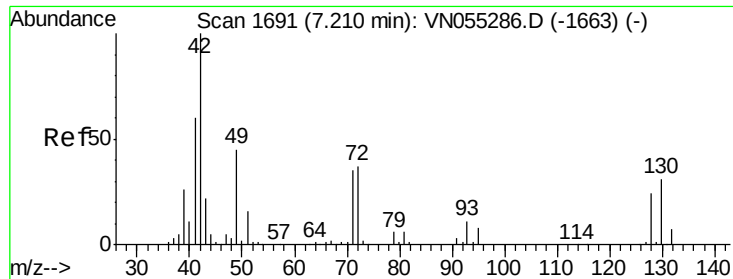
Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Tgt Ion:	49	Resp:	203387
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.4
130	61.9	52.0	78.0





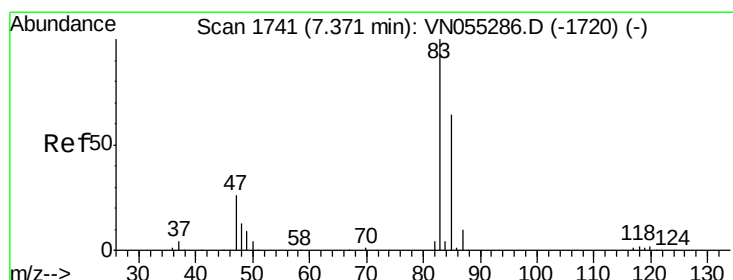
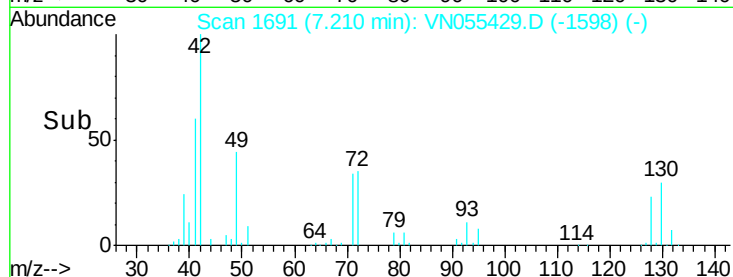
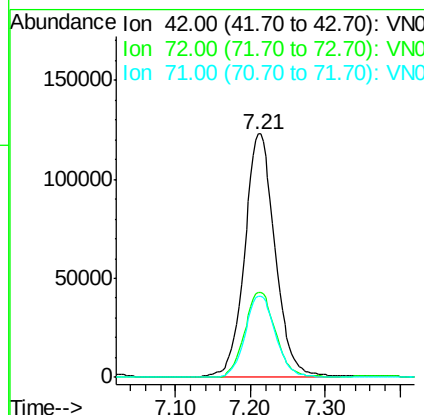
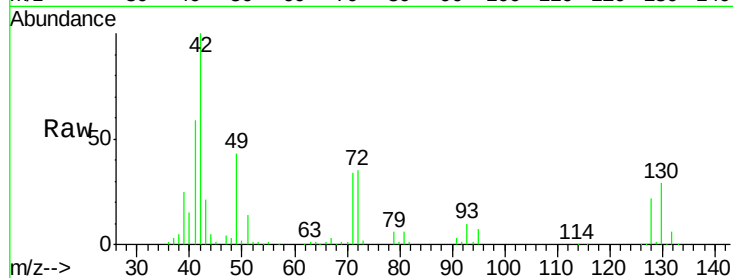
#29
Tetrahydrofuran
Concen: 265.923 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.6	29.0	43.6
71	33.4	27.1	40.7

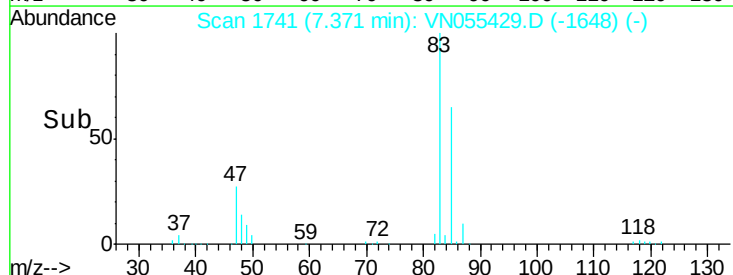
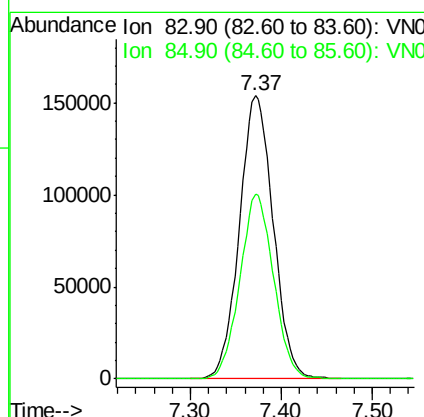
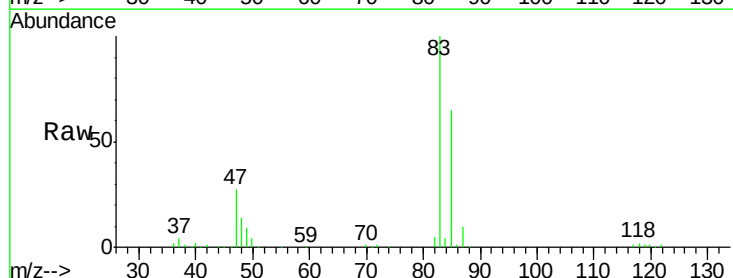
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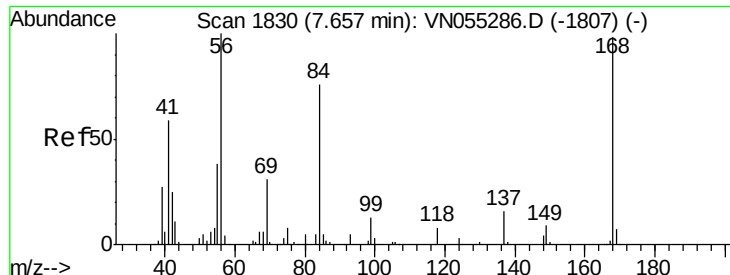
MMDadoda
5/8/2019 10:21:44 AM



#30
Chloroform
Concen: 49.556 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2





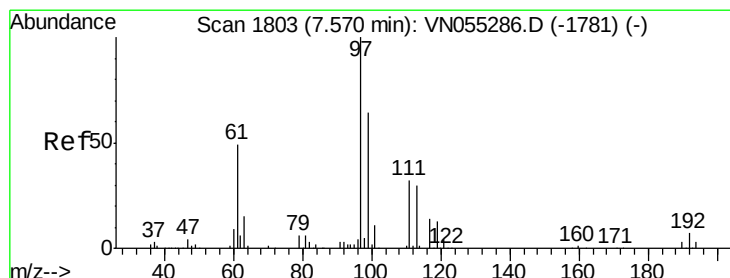
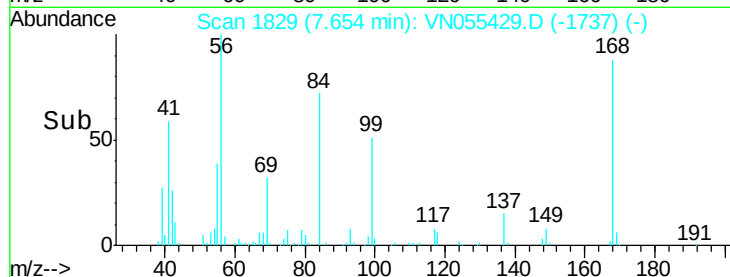
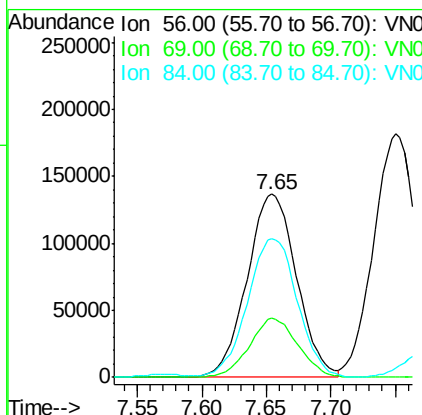
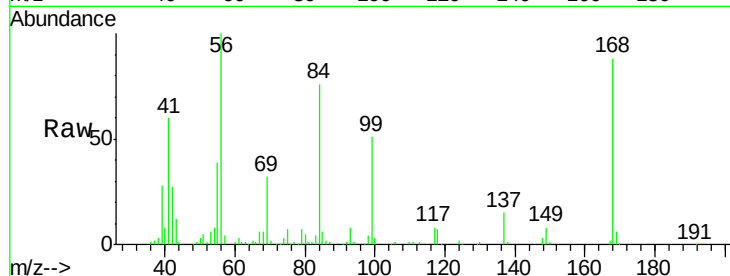
#31
Cyclohexane
Concen: 45.261 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.2	37.8
84	75.1	61.1	91.7

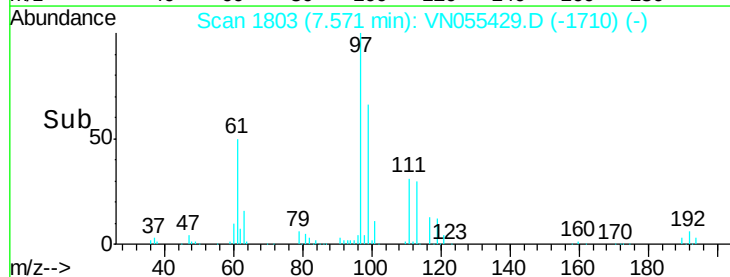
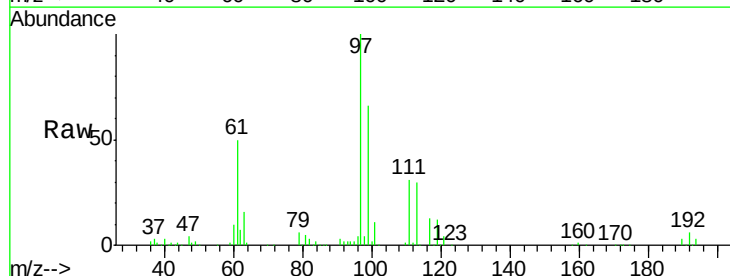
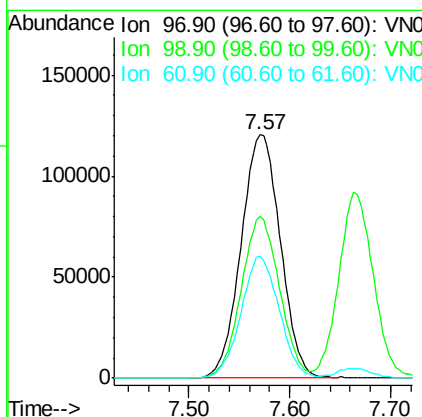
Manual Integrations
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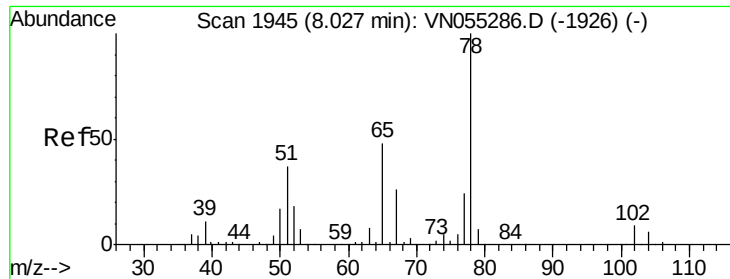
MMDadoda
5/8/2019 10:21:44 AM



#32
1,1,1-Trichloroethane
Concen: 50.072 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	48.5	39.0	58.6





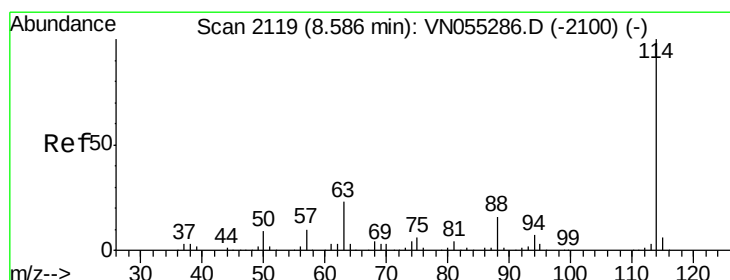
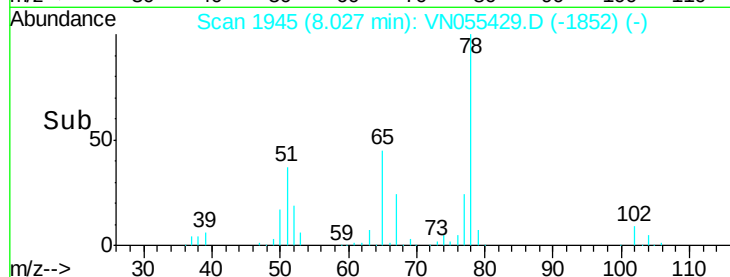
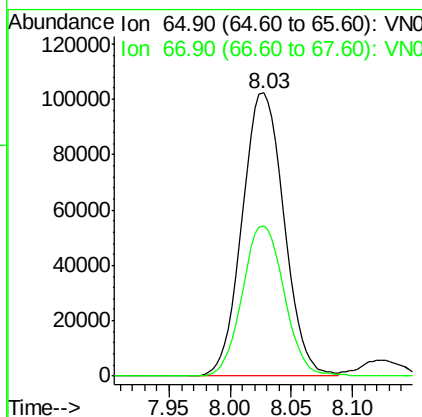
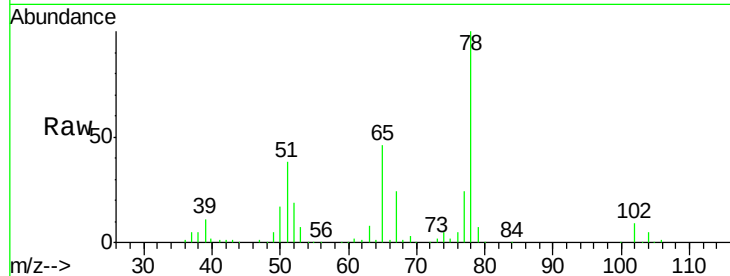
#33
 1,2-Dichloroethane-d4
 Concen: 47.712 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	243749		
67	53.1	0.0	106.8	

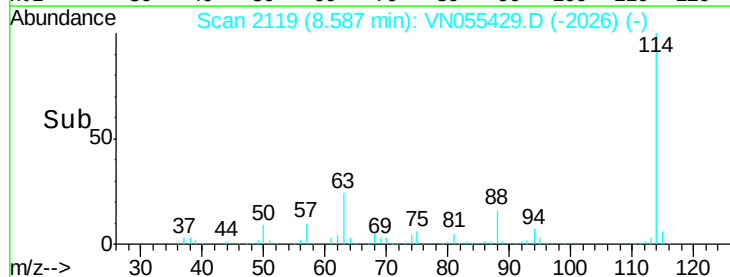
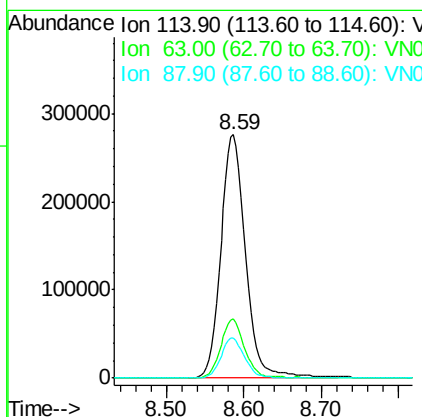
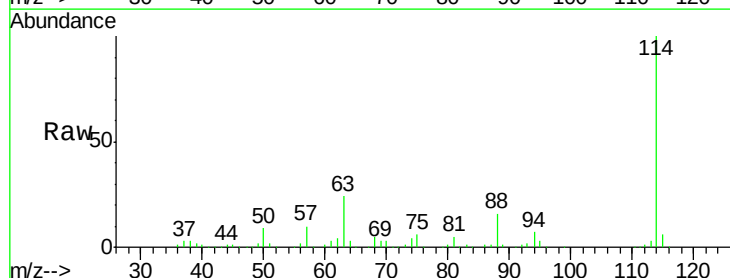
Manual Integrations
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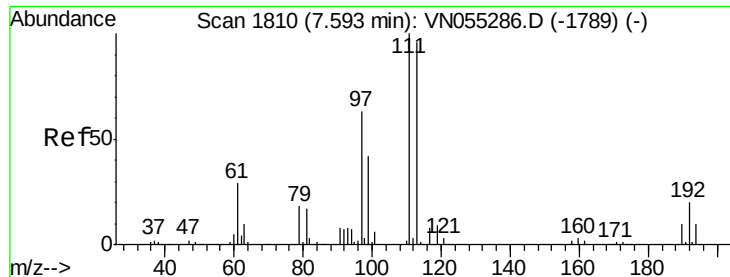
MMDadoda
 5/8/2019 10:21:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	613604		
63	24.1	0.0	45.2	
88	16.4	0.0	31.6	





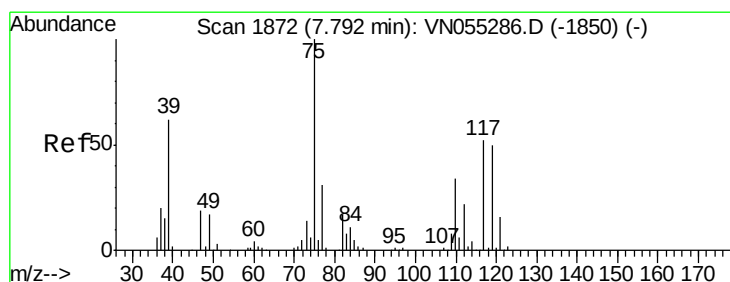
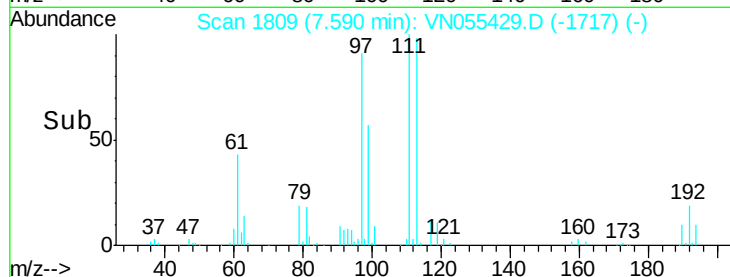
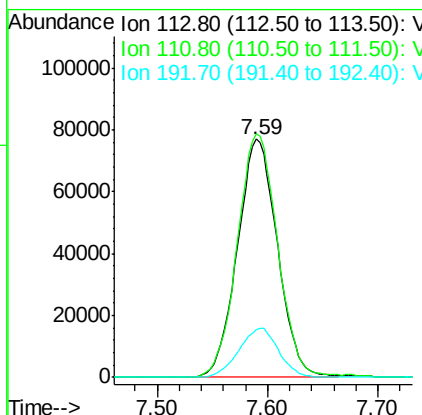
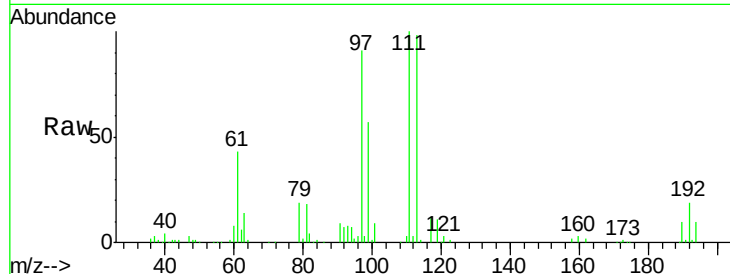
#35
 Dibromofluoromethane
 Concen: 47.969 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	193196		
111	102.9	82.3	123.5	
192	20.6	17.0	25.6	

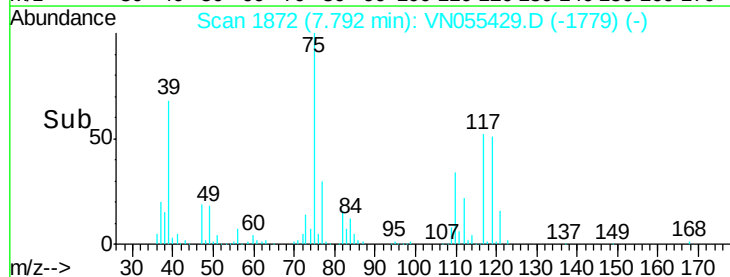
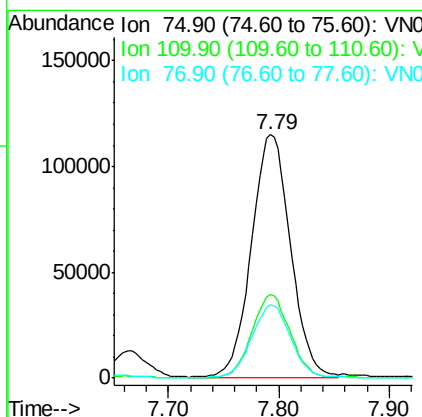
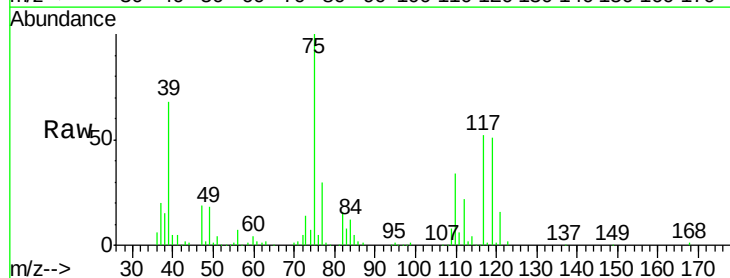
Manual Integrations
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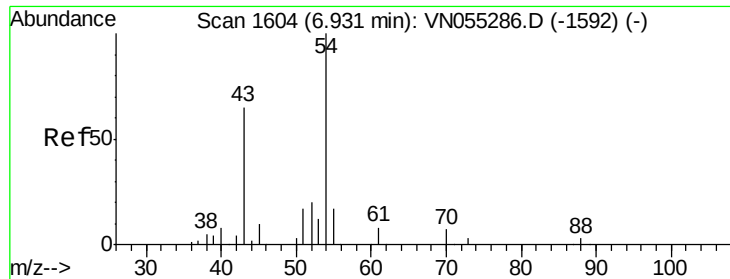
MMDadoda
 5/8/2019 10:21:44 AM



#36
 1,1-Dichloropropene
 Concen: 47.693 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	280309		
110	33.6	16.8	50.4	
77	30.2	25.0	37.6	





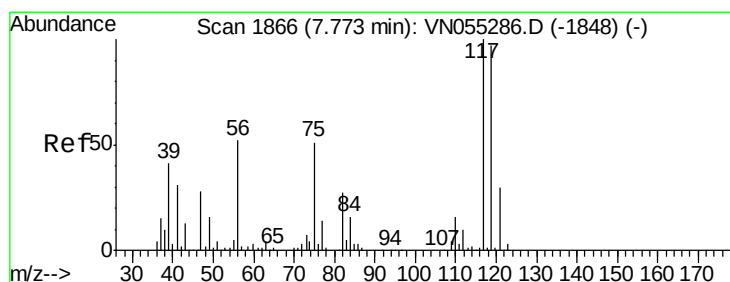
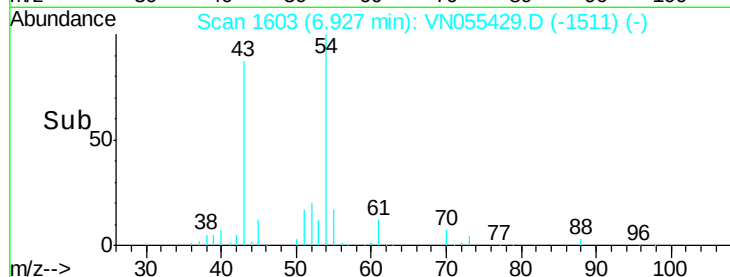
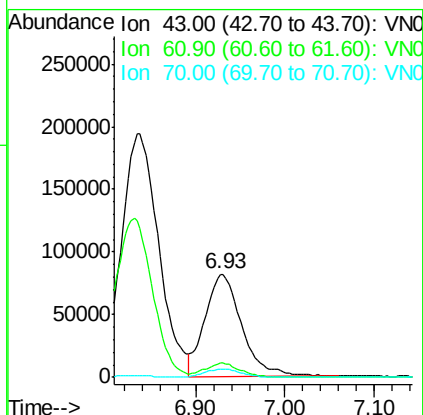
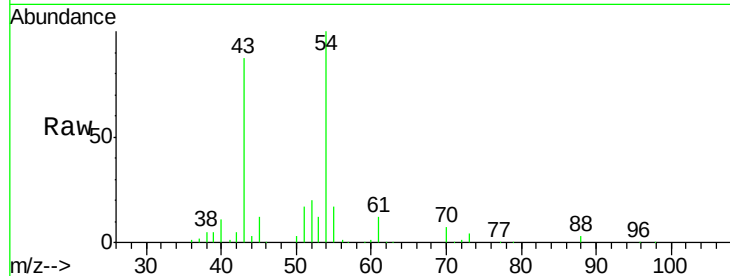
#37
Ethyl Acetate
Concen: 51.585 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.4	15.6
70	7.4	6.6	10.0

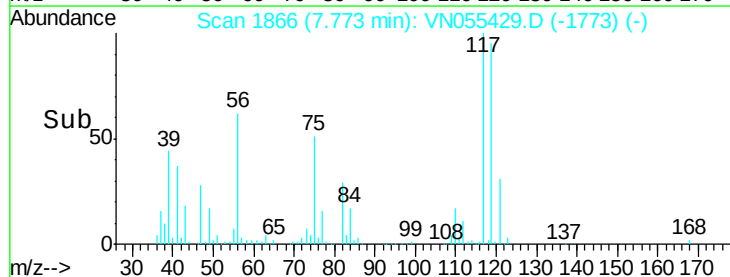
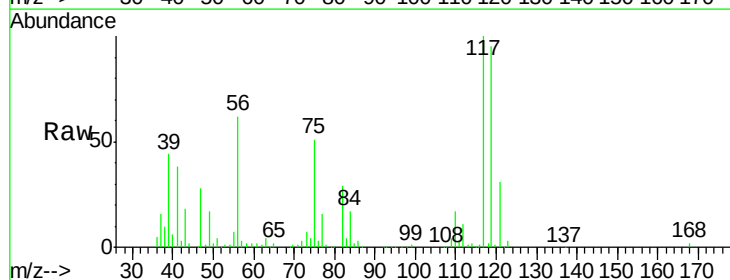
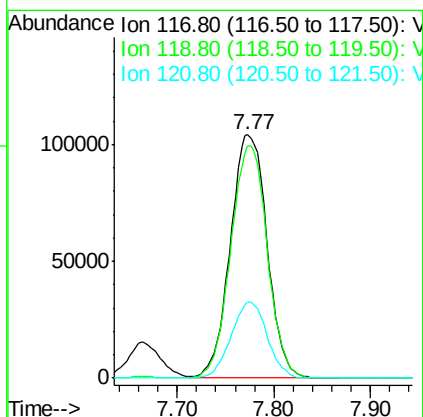
Manual Integrations
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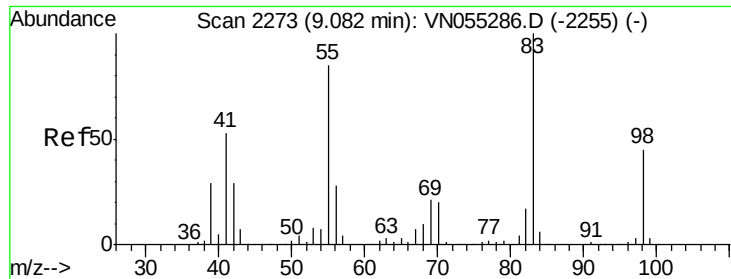
MMDadoda
5/8/2019 10:21:44 AM



#38
Carbon Tetrachloride
Concen: 48.501 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.0	115.6
121	31.2	23.8	35.8





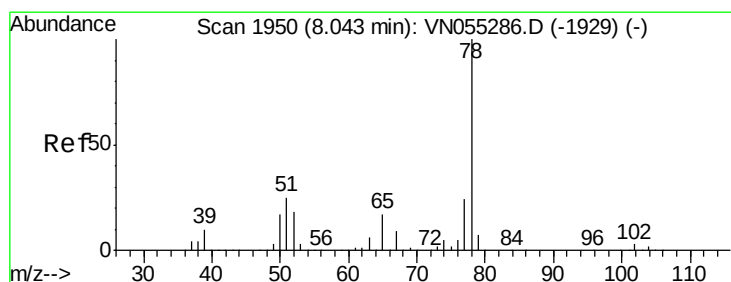
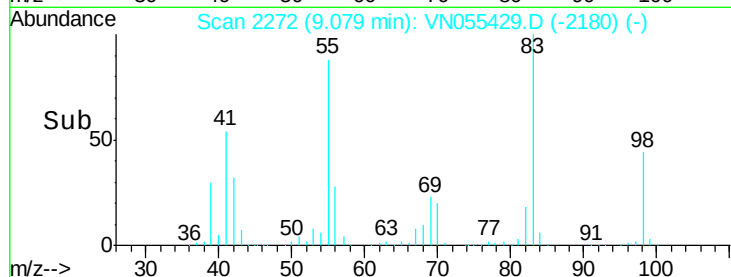
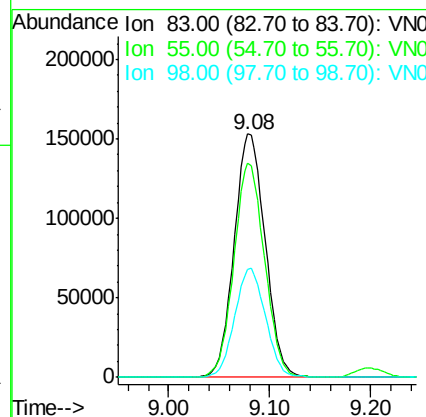
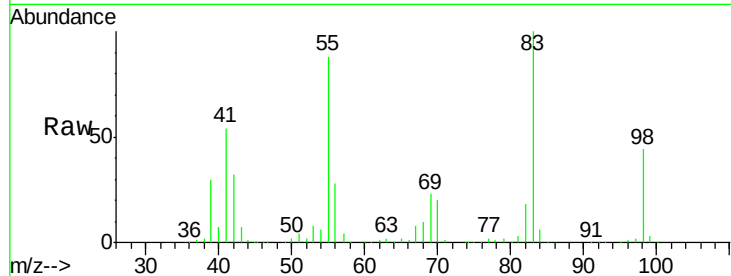
#39
Methylvlcyclohexane
Concen: 52.451 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	327761
Ion Ratio	100	Lower	Upper
83	100		
55	88.2	67.8	101.6
98	44.4	36.2	54.4

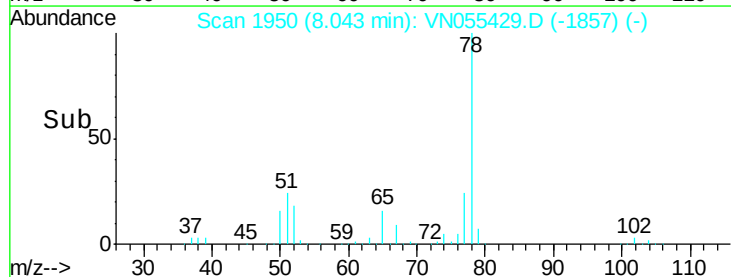
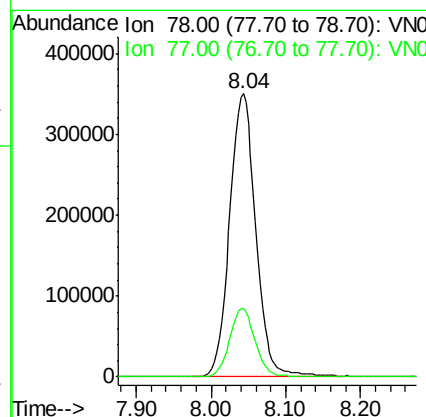
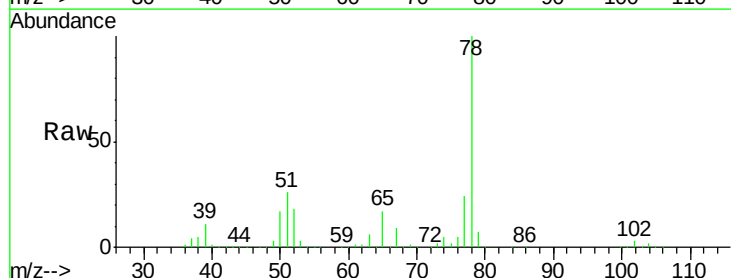
Manual Integrations
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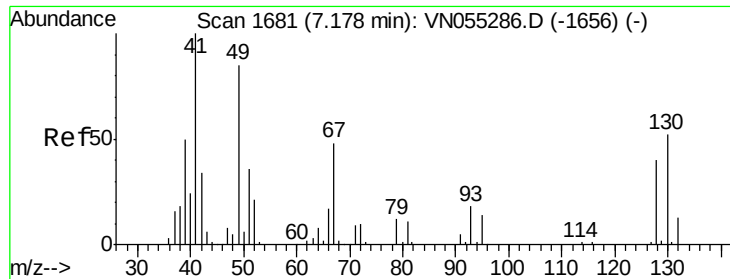
MMDadoda
5/8/2019 10:21:44 AM



#40
Benzene
Concen: 49.098 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion	78	Resp	850668
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	19.0	28.6





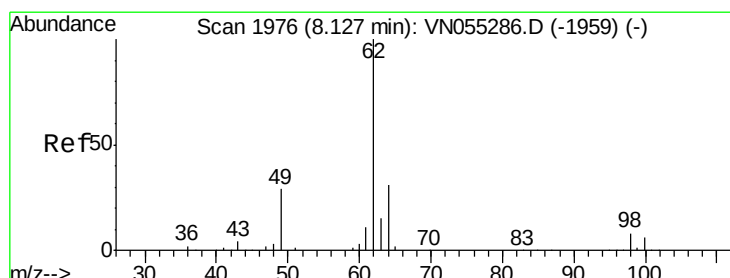
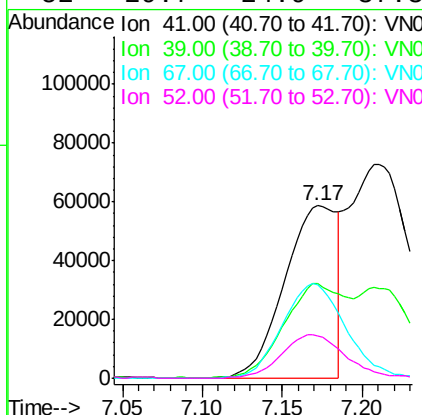
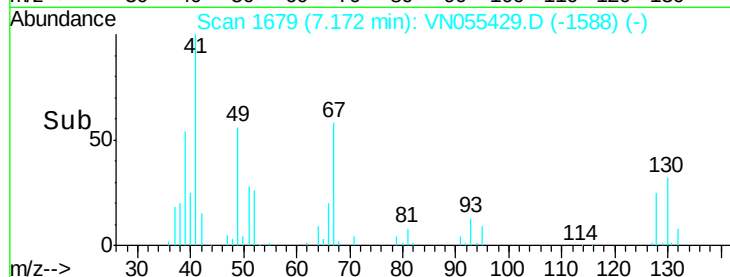
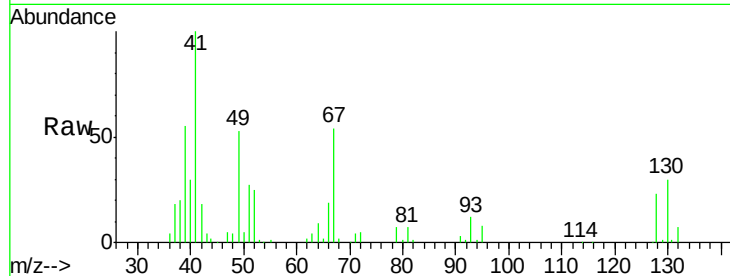
#41
Methacrylonitrile
Concen: 54.929 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	41	Resp	134091
Ion Ratio	Lower	Upper	
41	100		
39	65.7	48.5	72.7
67	66.5	54.9	82.3
52	29.7	24.9	37.3

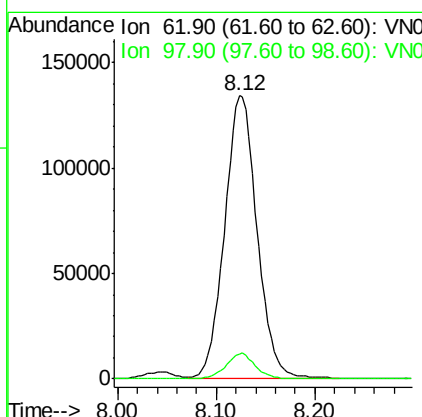
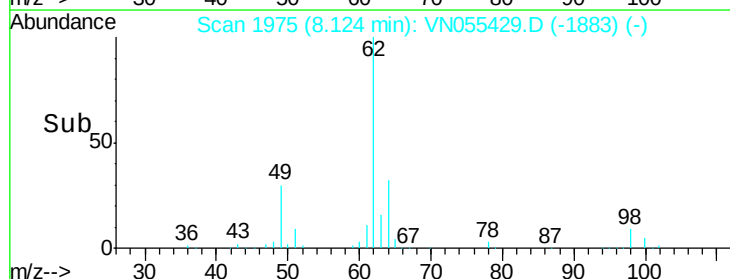
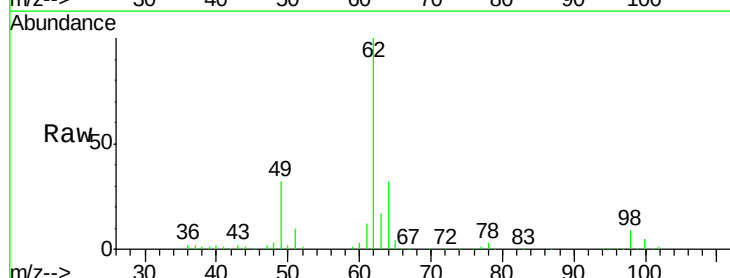
Manual Integrations
APPROVED

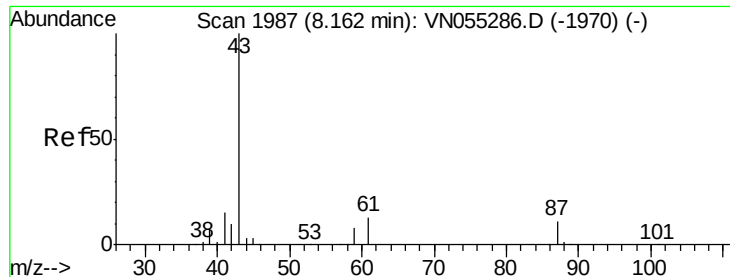
MMDadoda
5/8/2019 10:21:44 AM



#42
1,2-Dichloroethane
Concen: 50.003 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion	62	Resp	306846
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	16.4





#43

Isopropyl Acetate

Concen: 57.069 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

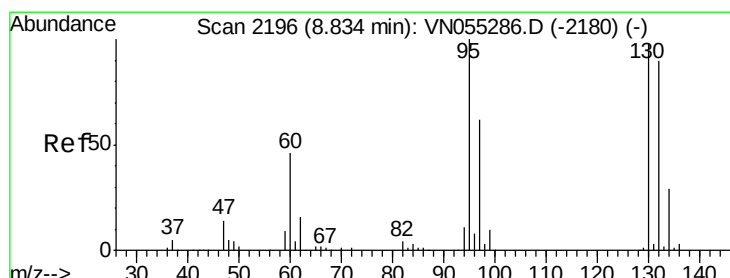
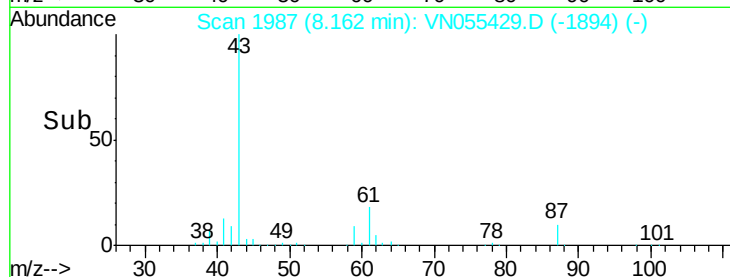
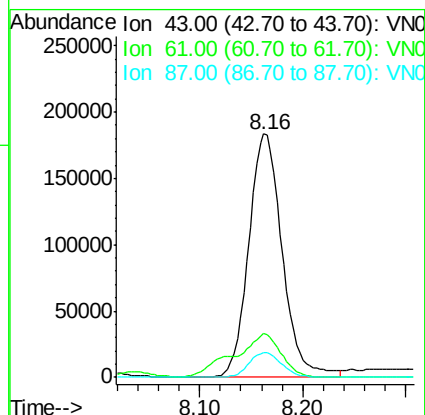
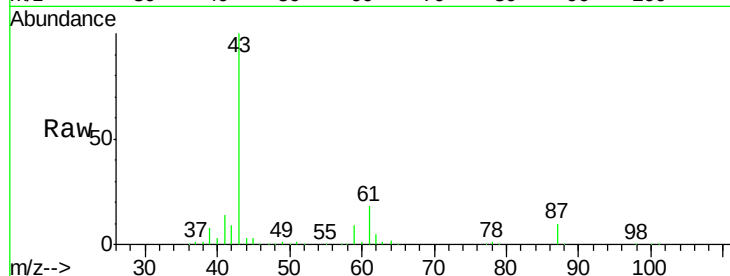
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	413127
Ion	Ratio	Lower	Upper
43	100		
61	16.9	20.8	31.2#
87	9.9	8.5	12.7

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#44

Trichloroethene

Concen: 47.799 ug/l

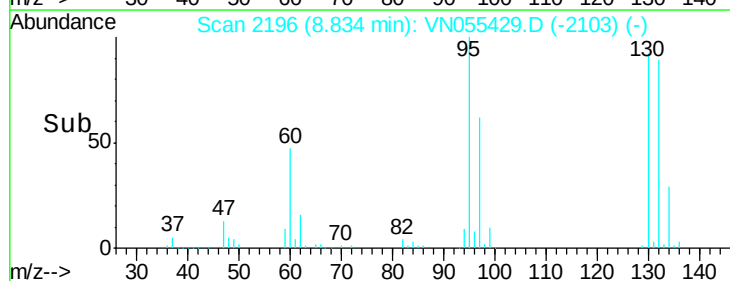
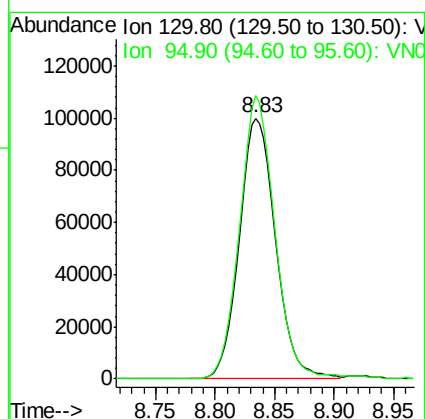
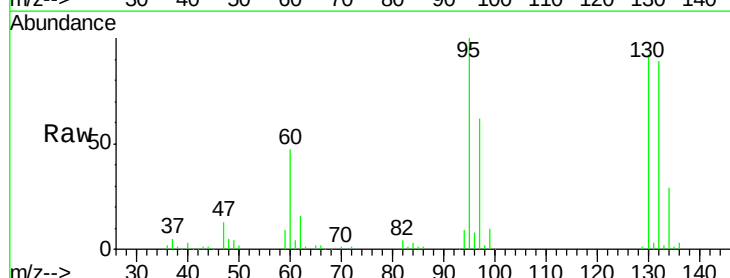
RT: 8.83 min Scan# 2196

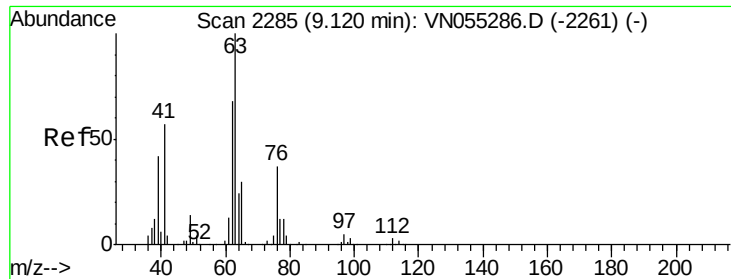
Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Tgt Ion:	130	Resp:	211123
Ion	Ratio	Lower	Upper
130	100		
95	108.5	0.0	203.4





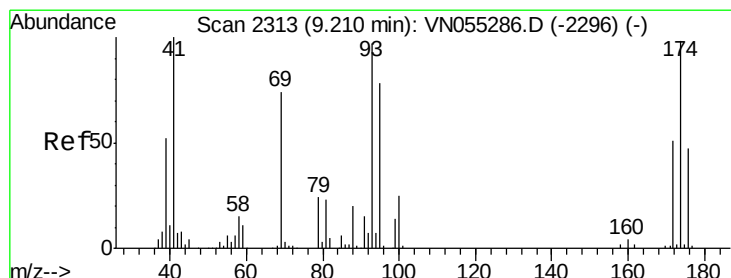
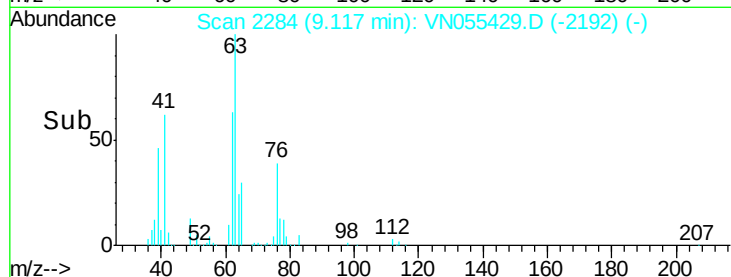
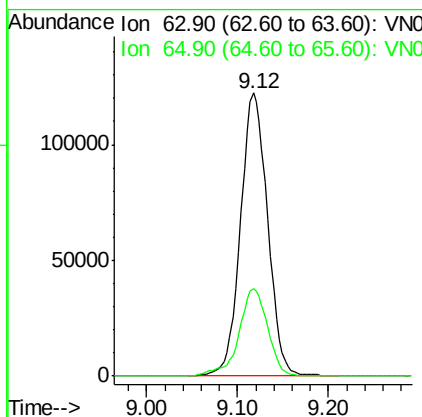
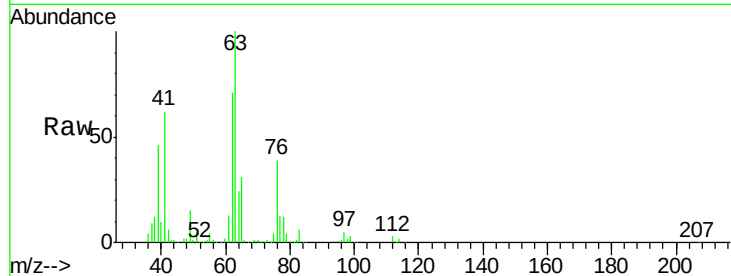
#45
 1,2-Dichloropropane
 Concen: 50.734 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 253524
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.9 35.9

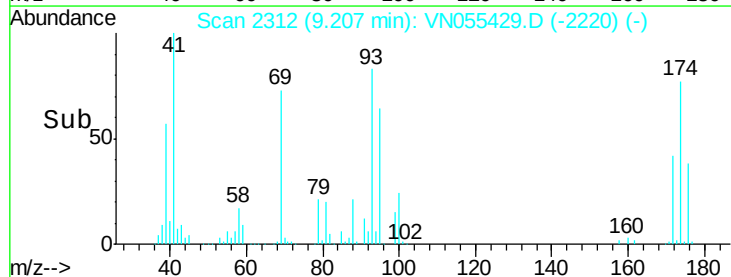
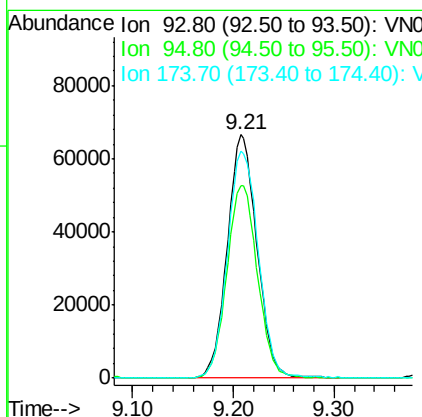
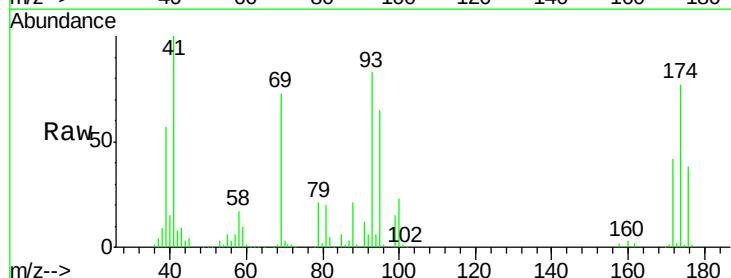
Manual Integrations
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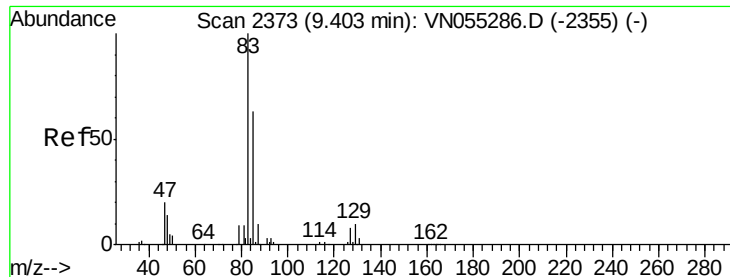
MMDadoda
 5/8/2019 10:21:44 AM



#46
 Dibromomethane
 Concen: 50.017 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion: 93 Resp: 136620
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.7 98.5
 174 96.8 81.5 122.3





#47

Bromodichloromethane

Concen: 52.353 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

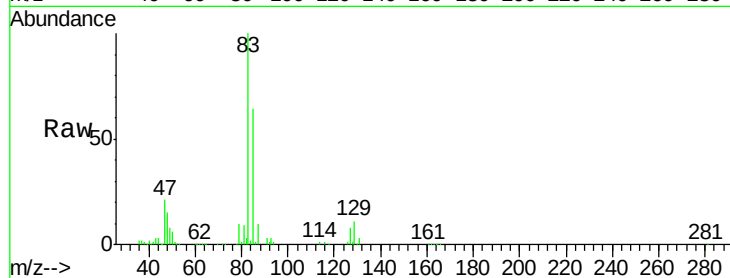
ClientSampleId :

VSTDCCC050

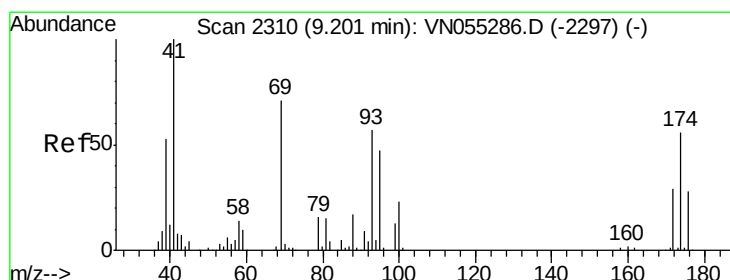
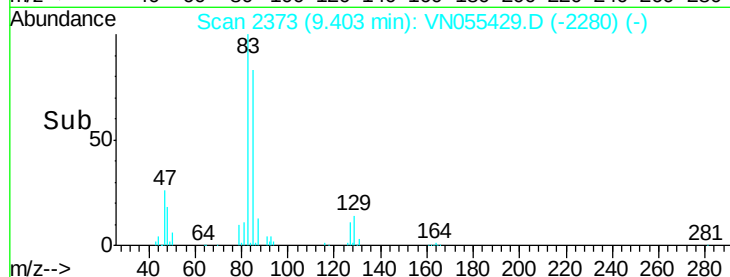
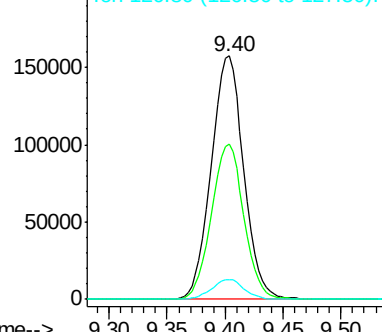
Tot Ion:	83	Resp:	306778
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.1	75.1
127	8.3	6.7	10.1

Manual Integrations
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MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN055429.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.830 ug/l

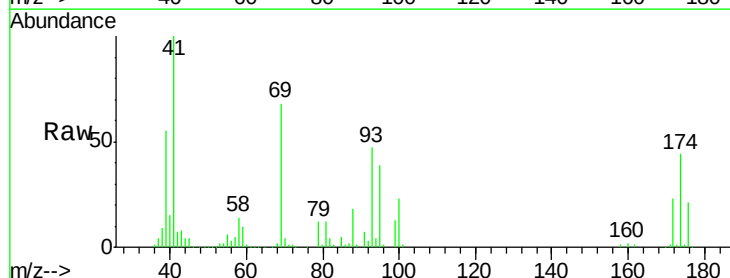
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

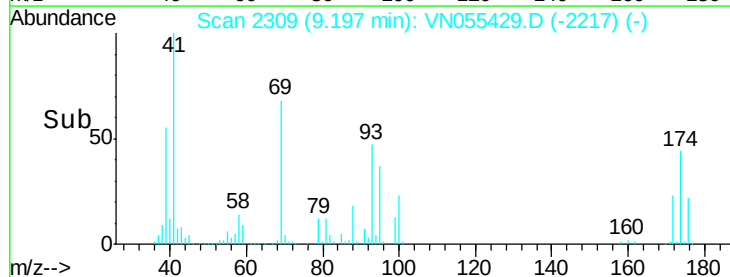
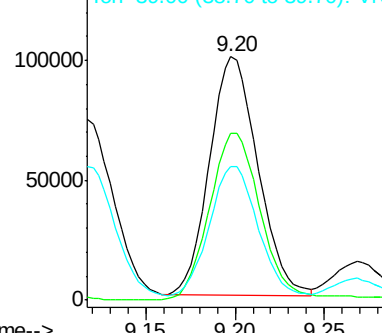
Lab File: VN055429.D

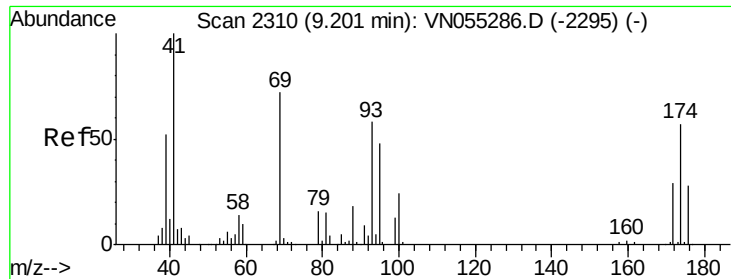
Acq: 7 May 2019 11:37

Tgt Ion:	41	Resp:	188008
Ion	Ratio	Lower	Upper
41	100		
69	75.2	58.6	87.8
39	57.6	43.8	65.6



Abundance Ion 41.00 (40.70 to 41.70): VN055429.D (-2217) (-)





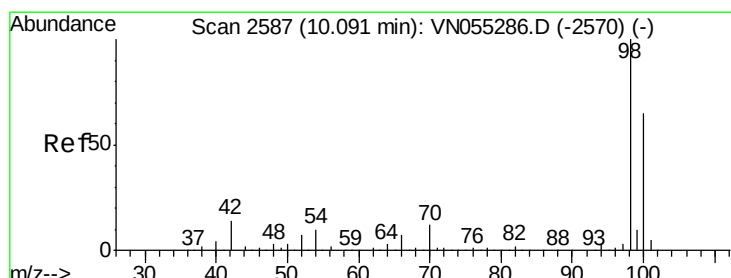
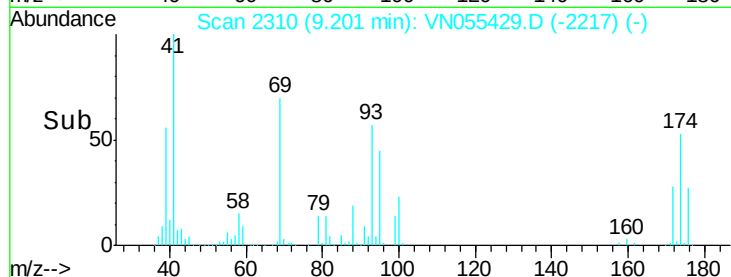
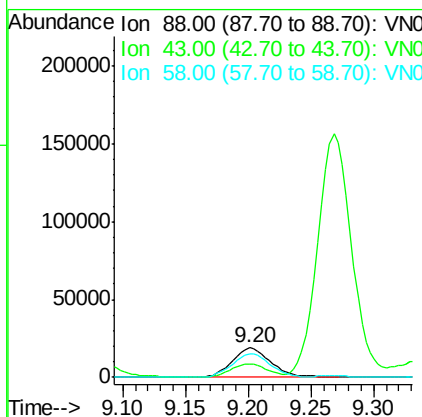
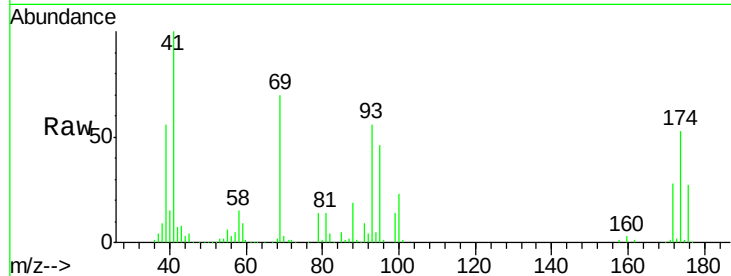
#49
1,4-Dioxane
Concen: 1108.959 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	88	Resp	40796
Ion	Ratio	Lower	Upper
88	100		
43	40.5	33.3	49.9
58	77.9	62.7	94.1

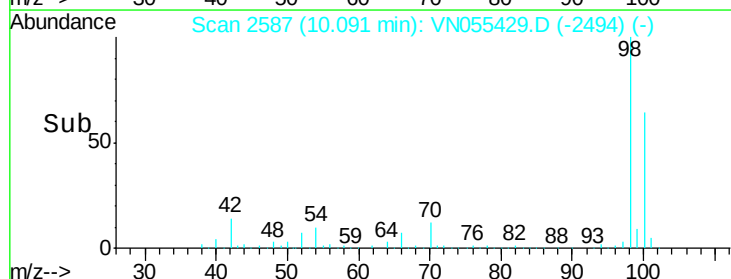
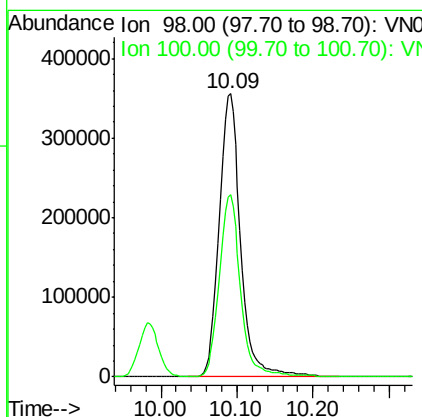
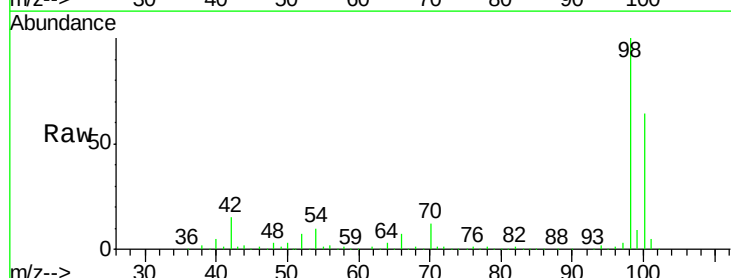
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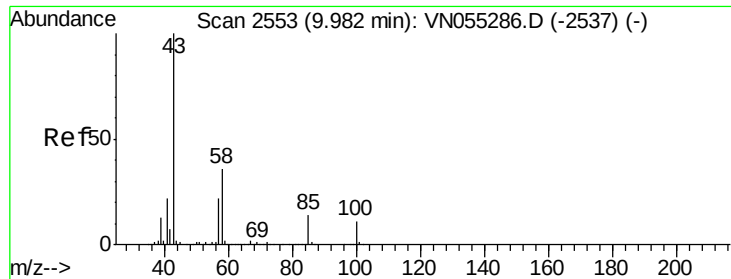
MMDadoda
5/8/2019 10:21:44 AM



#50
Toluene-d8
Concen: 47.857 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion	98	Resp	695978
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.7	77.5





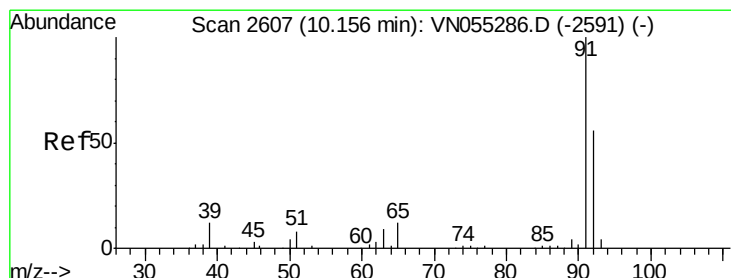
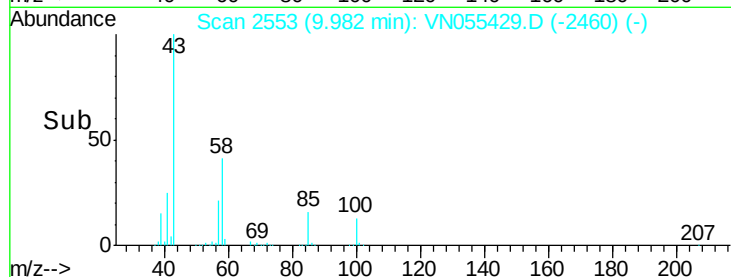
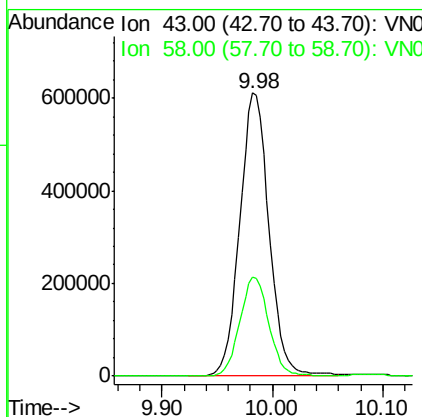
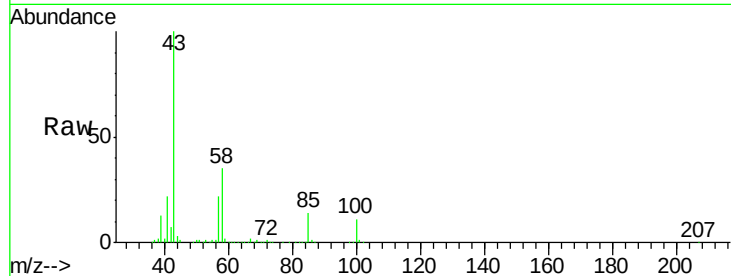
#51
4-Methyl-2-Pentanone
Concen: 274.649 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1119381
Ion Ratio Lower Upper
43 100
58 35.0 28.5 42.7

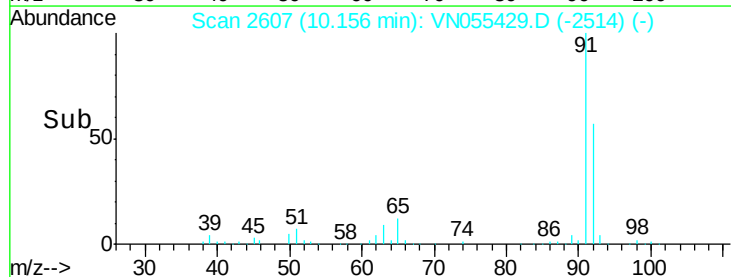
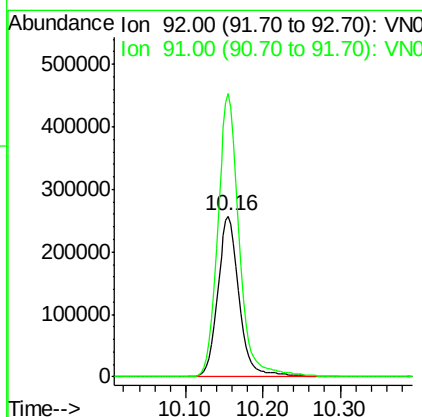
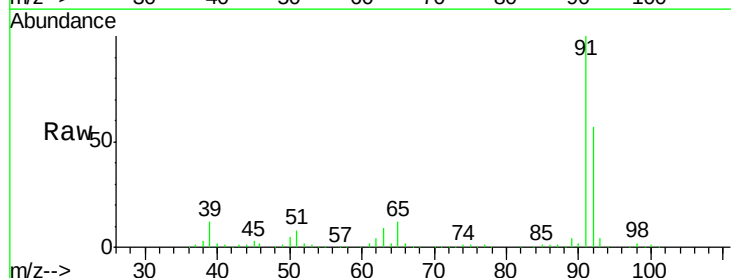
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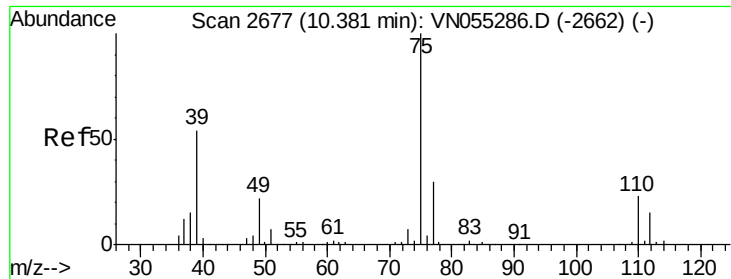
MMDadoda
5/8/2019 10:21:44 AM



#52
Toluene
Concen: 50.405 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion: 92 Resp: 501092
Ion Ratio Lower Upper
92 100
91 175.6 140.1 210.1





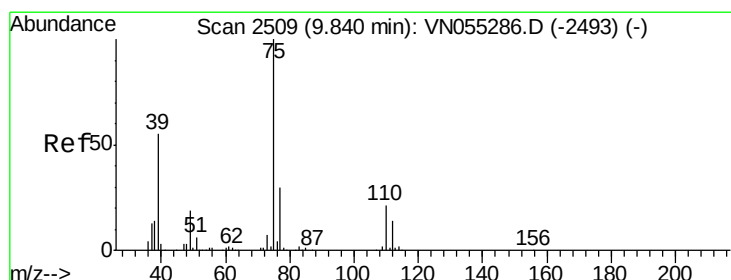
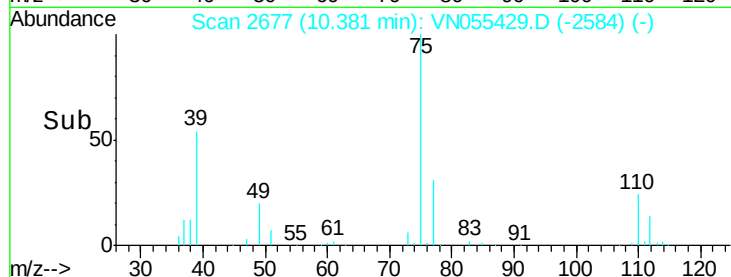
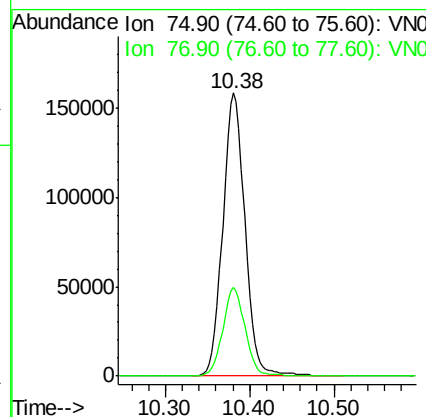
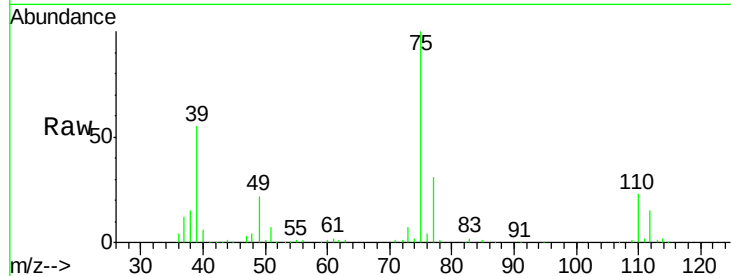
#53
t-1,3-Dichloropropene
Concen: 56.875 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	289317		
77	31.2		24.4	36.6

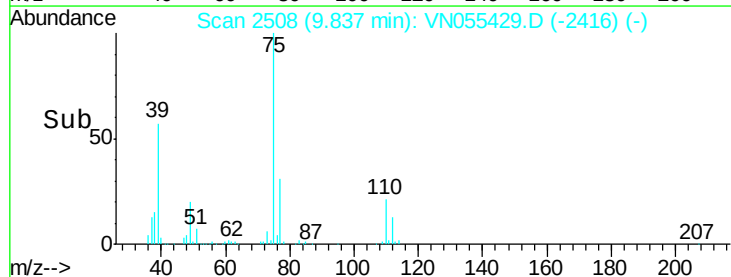
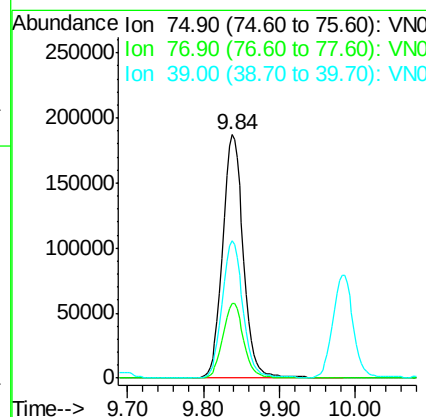
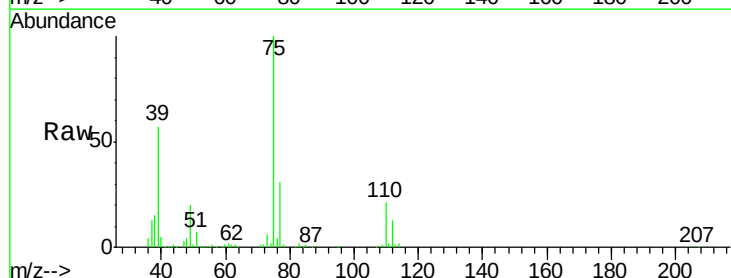
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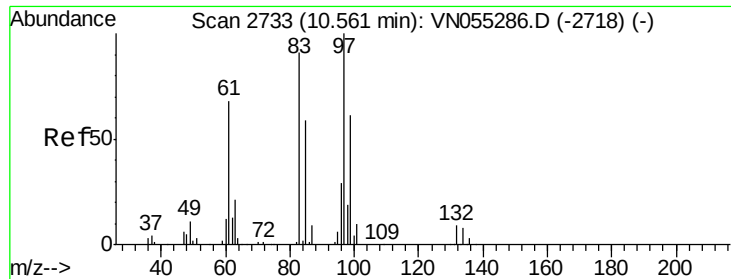
MMDadoda
5/8/2019 10:21:44 AM



#54
cis-1,3-Dichloropropene
Concen: 55.874 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	354372		
77	30.6		24.2	36.2
39	56.6		44.2	66.2





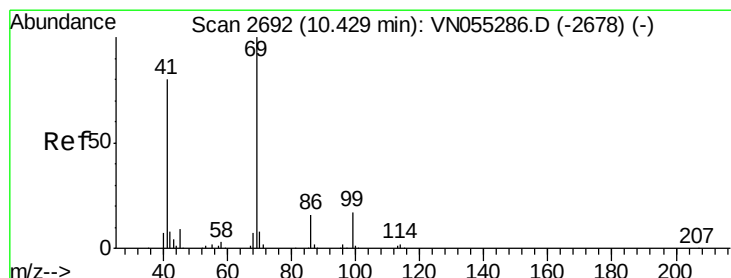
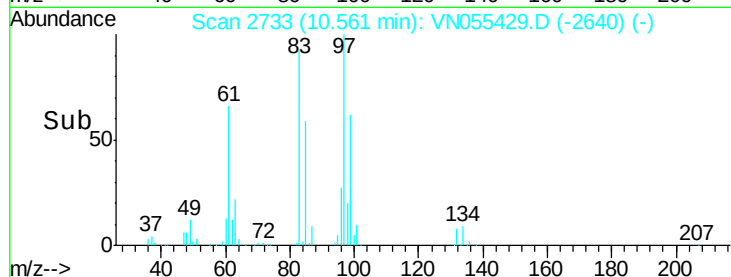
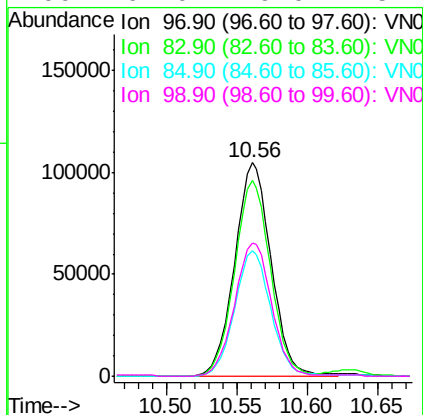
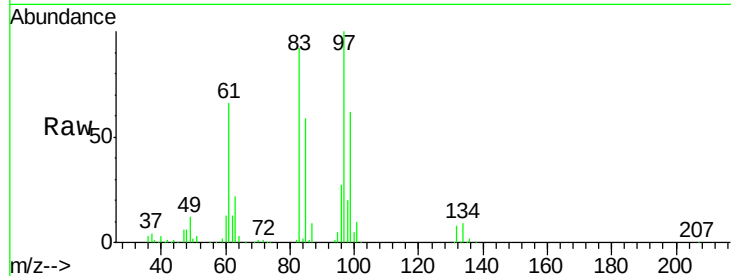
#55
 1,1,2-Trichloroethane
 Concen: 51.479 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	190039
Ion	Ratio	Lower	Upper
97	100		
83	91.6	72.8	109.2
85	58.7	47.0	70.6
99	62.0	49.0	73.4

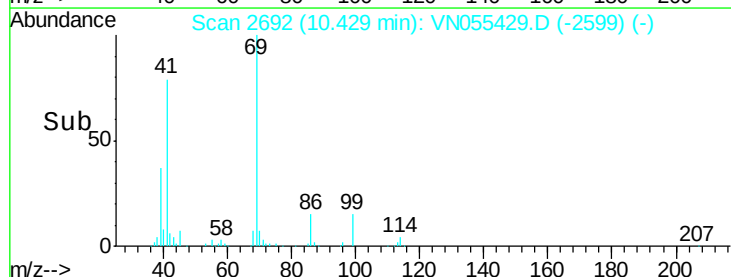
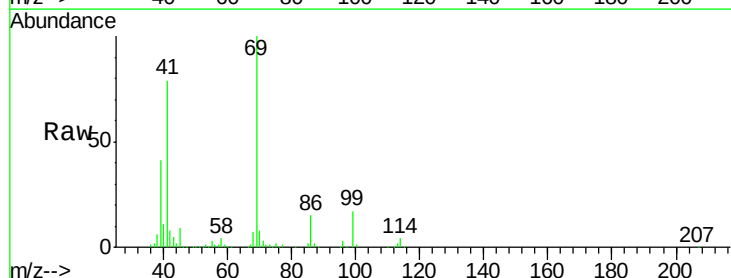
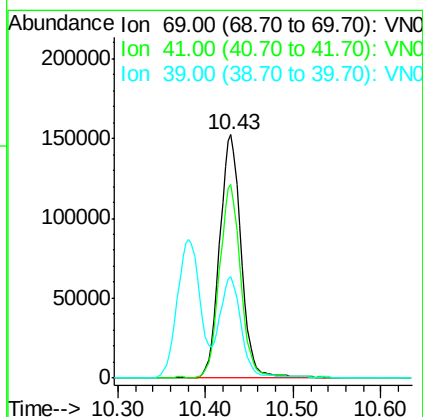
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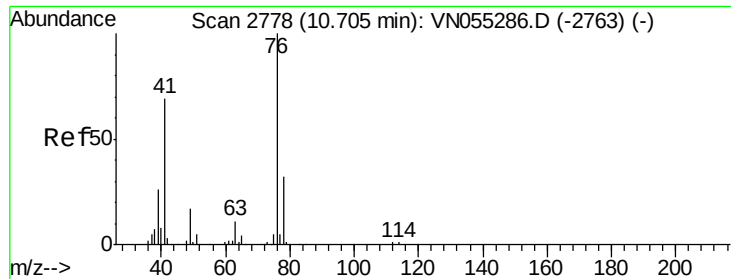
MMDadoda
 5/8/2019 10:21:44 AM



#56
 Ethyl methacrylate
 Concen: 57.428 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion:	69	Resp:	260940
Ion	Ratio	Lower	Upper
69	100		
41	77.6	62.7	94.1
39	41.0	32.0	48.0





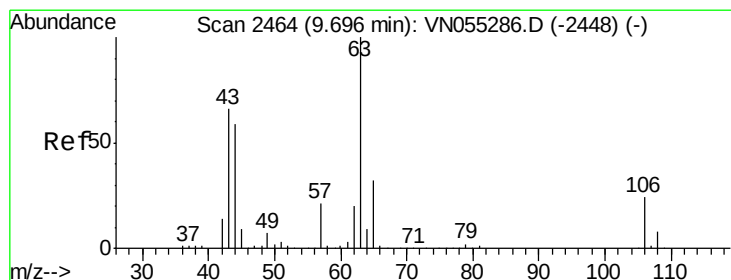
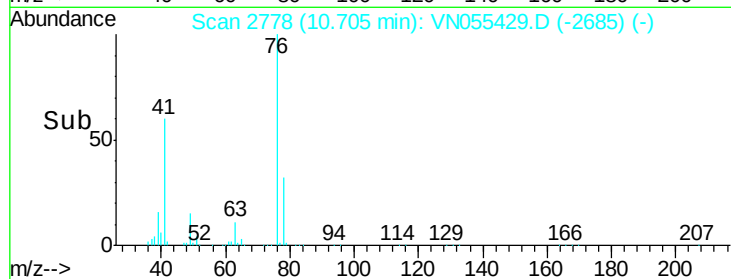
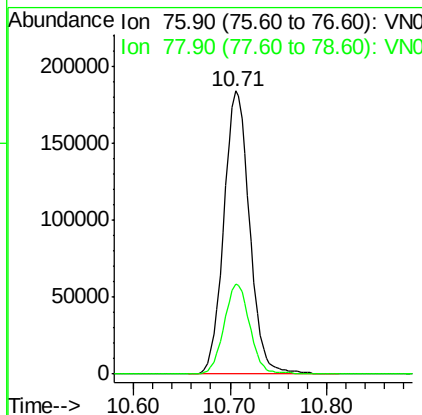
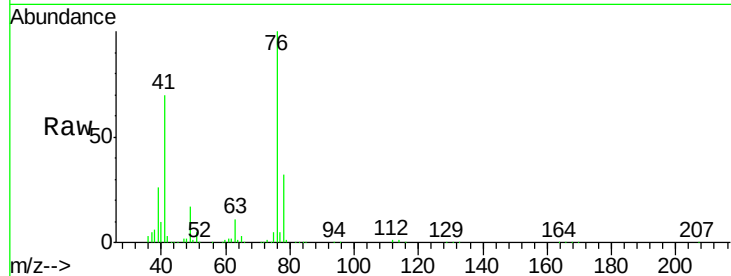
#57
 1,3-Dichloropropane
 Concen: 52.452 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 339684
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4

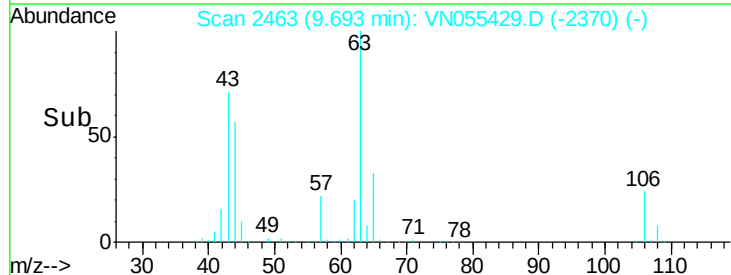
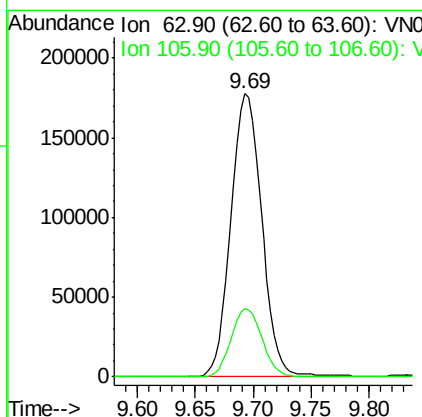
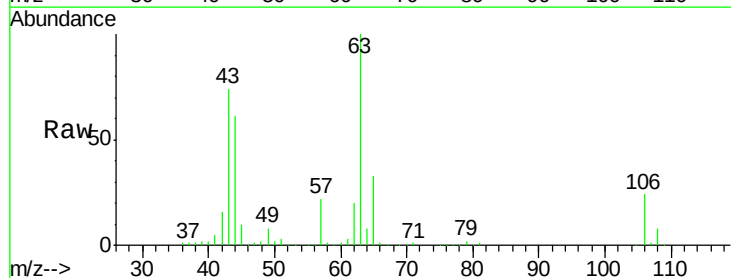
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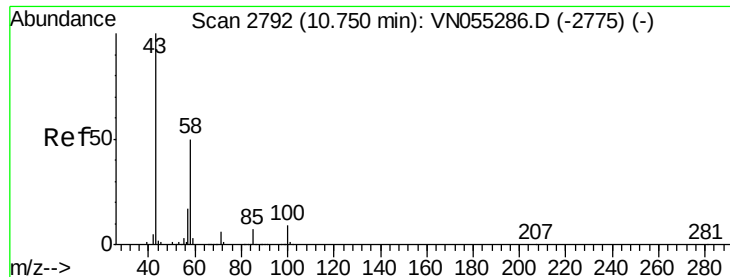
MMDadoda
 5/8/2019 10:21:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.502 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion: 63 Resp: 328058
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.0 28.4





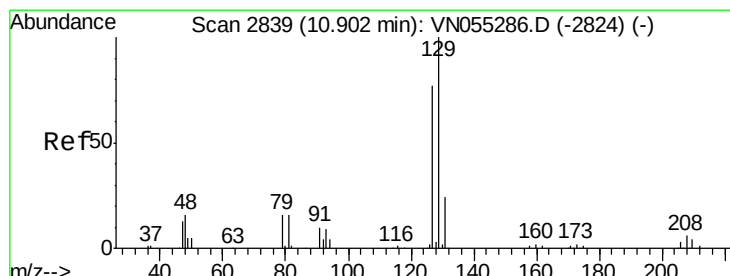
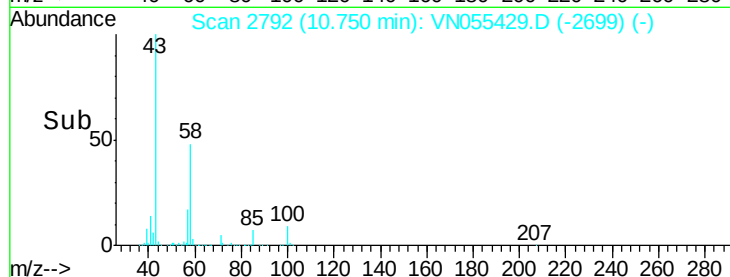
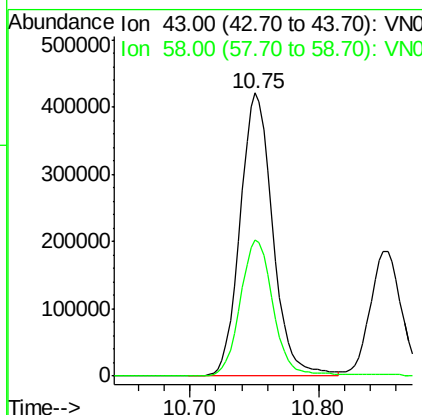
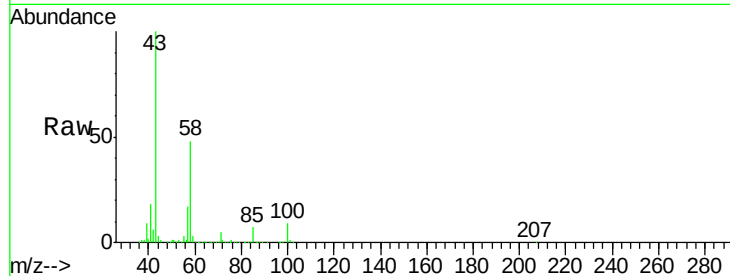
#59
2-Hexanone
Concen: 290.089 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 739755
Ion Ratio Lower Upper
43 100
58 48.7 24.9 74.6

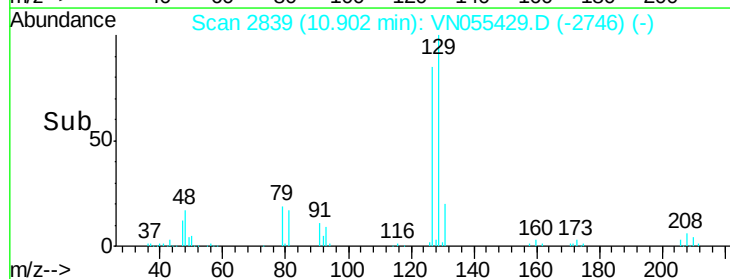
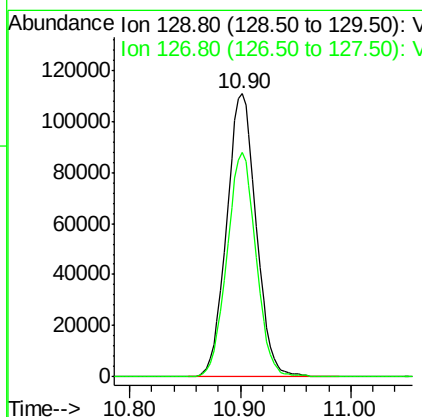
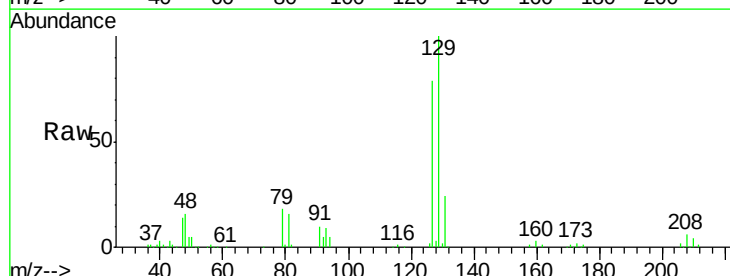
Manual Integrations
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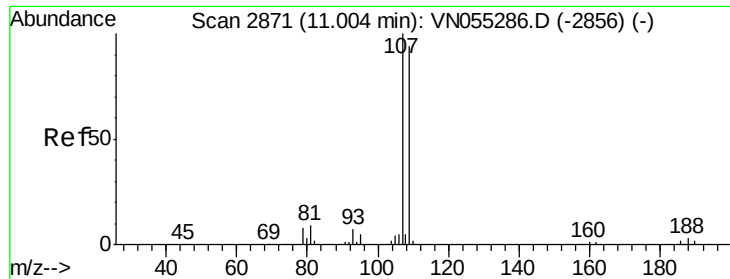
MMDadoda
5/8/2019 10:21:44 AM



#60
Dibromochloromethane
Concen: 54.581 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion: 129 Resp: 205931
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.5





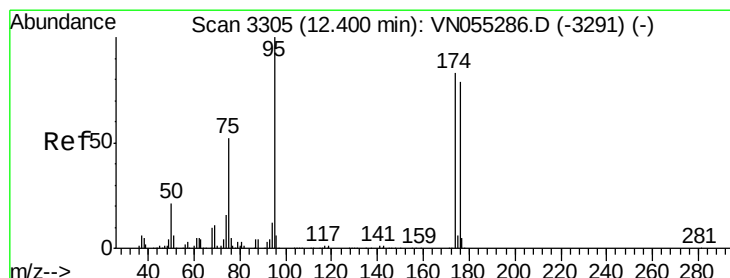
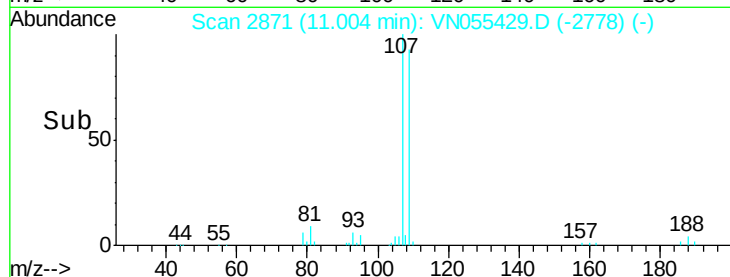
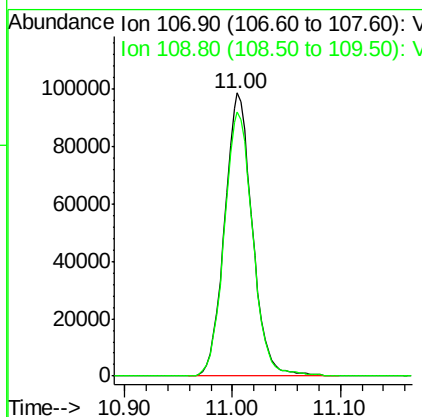
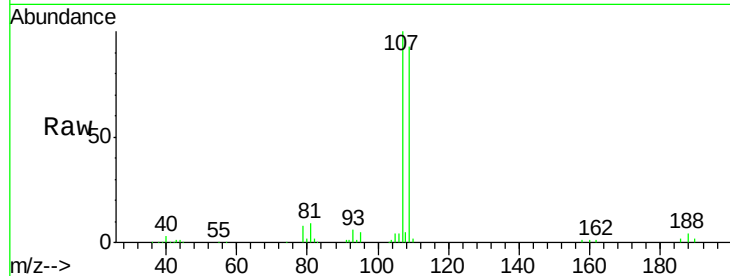
#61
 1,2-Dibromoethane
 Concen: 51.695 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.0	112.6

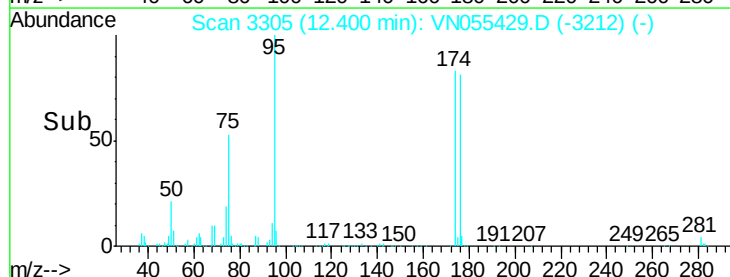
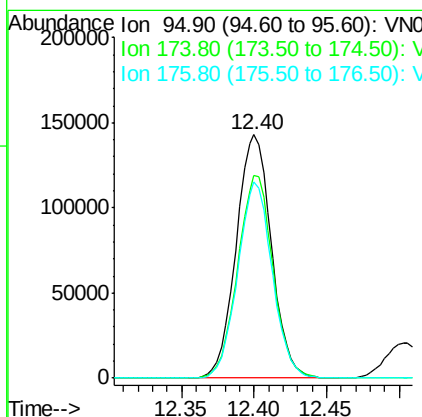
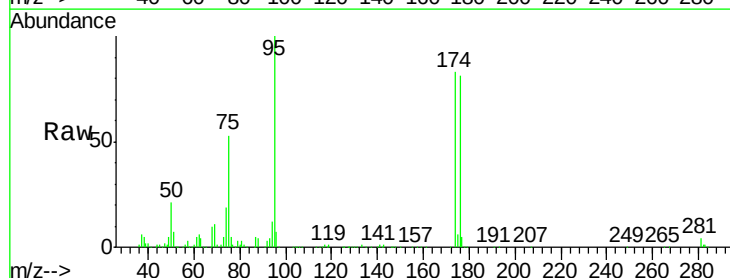
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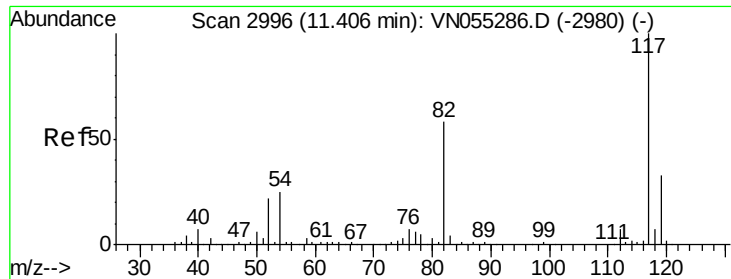
MMDadoda
 5/8/2019 10:21:44 AM



#62
 4-Bromofluorobenzene
 Concen: 52.967 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	166.6
176	79.1	0.0	157.8





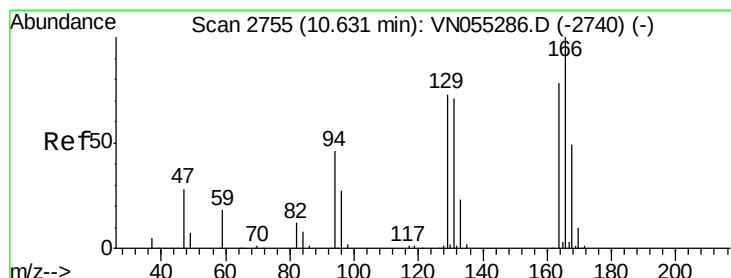
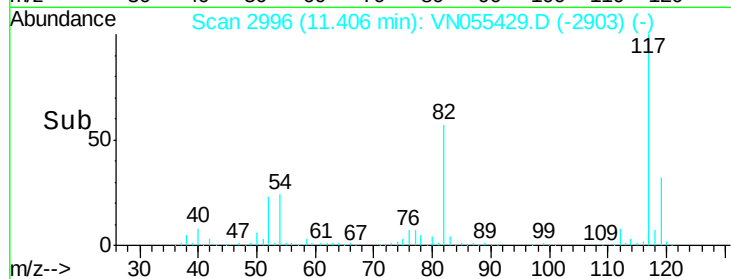
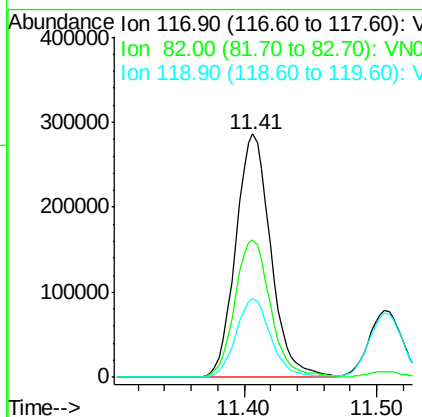
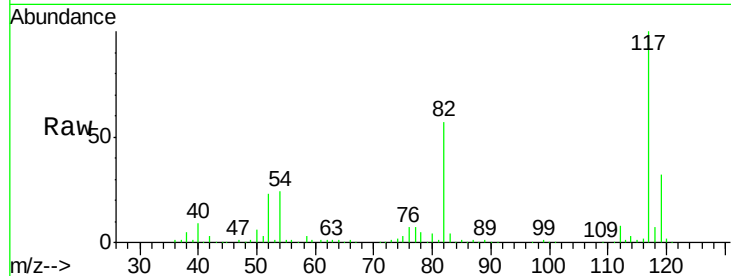
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	525734		
82	56.7	46.2	69.4	
119	32.4	26.6	40.0	

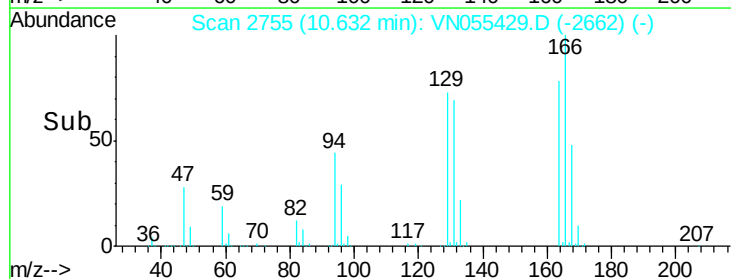
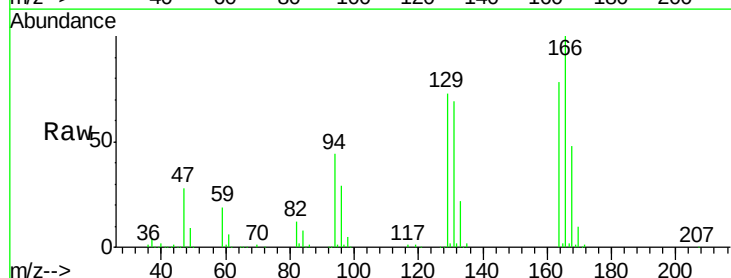
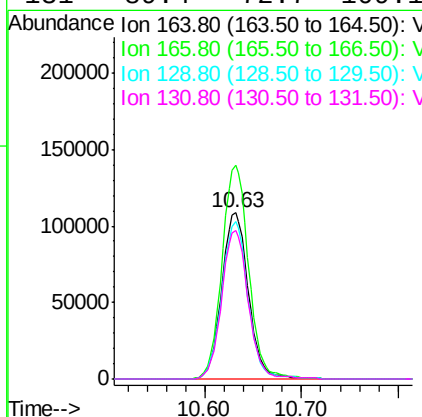
Manual Integrations
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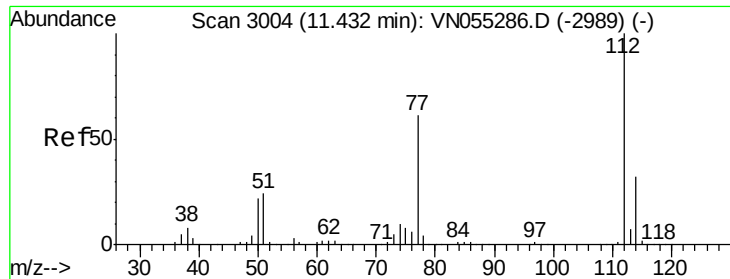
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#64
Tetrachloroethene
Concen: 48.496 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	208498		
166	128.7	102.3	153.5	
129	94.6	75.0	112.6	
131	89.4	72.7	109.1	





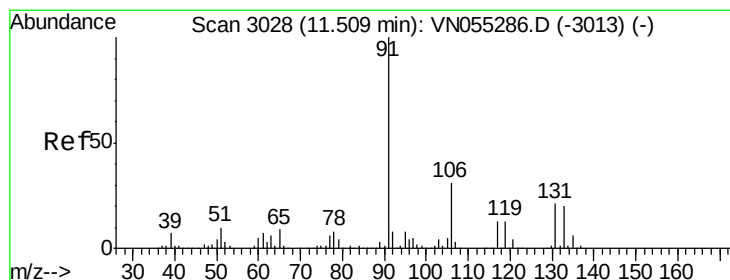
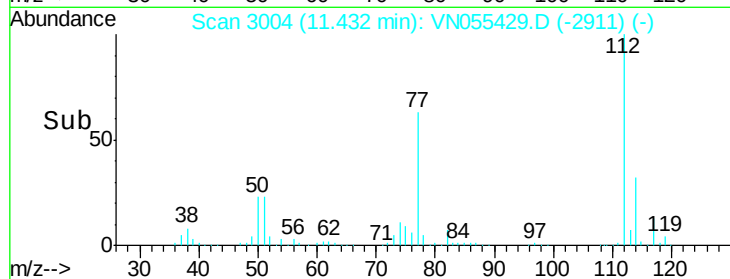
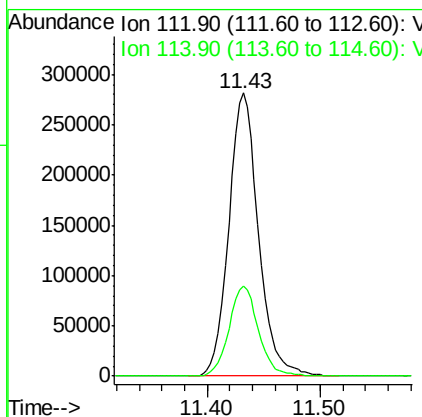
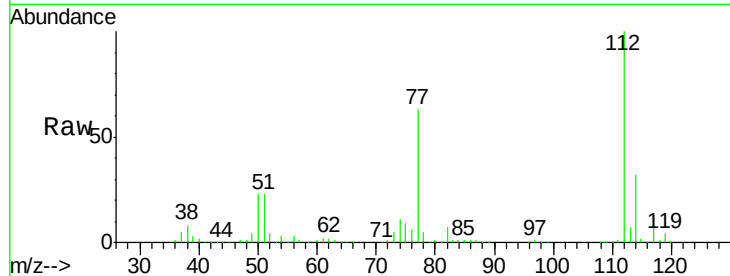
#65
 Chlorobenzene
 Concen: 49.845 ug/l
 RT: 11.43 min Scan# 3004
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:112 Resp: 512345
 Ion Ratio Lower Upper
 112 100
 114 31.7 25.3 37.9

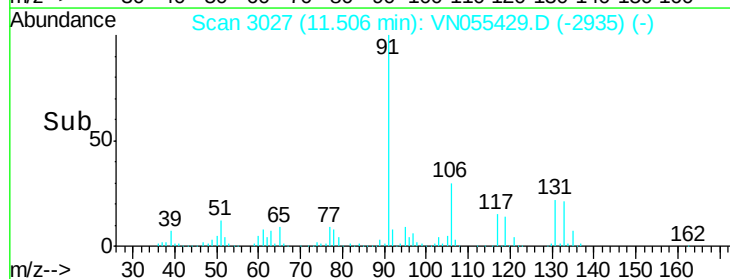
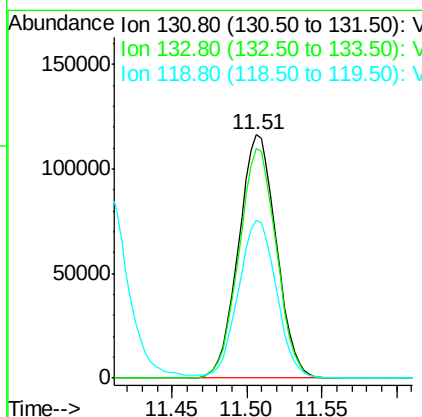
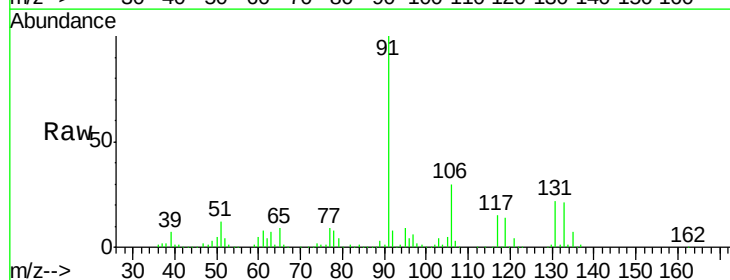
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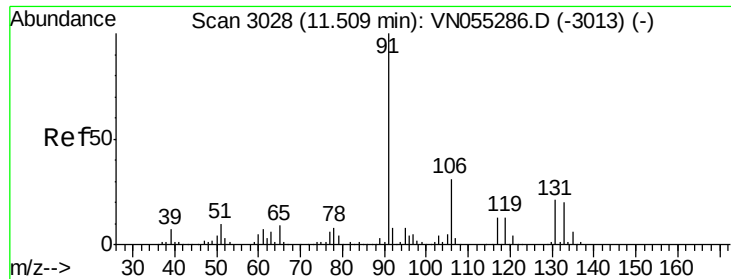
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.616 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion:131 Resp: 203722
 Ion Ratio Lower Upper
 131 100
 133 93.9 47.5 142.6
 119 65.5 32.7 98.1





#67

Ethyl Benzene

Concen: 52.136 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 967725

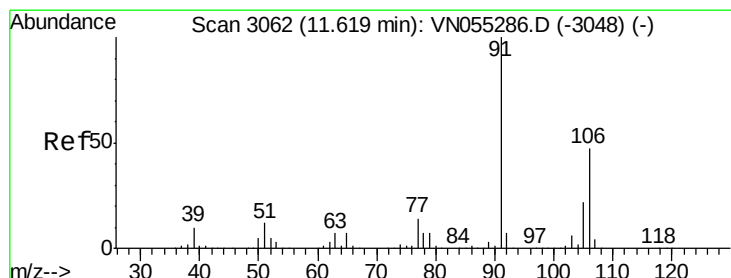
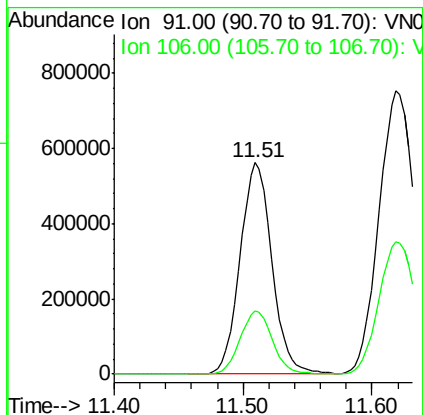
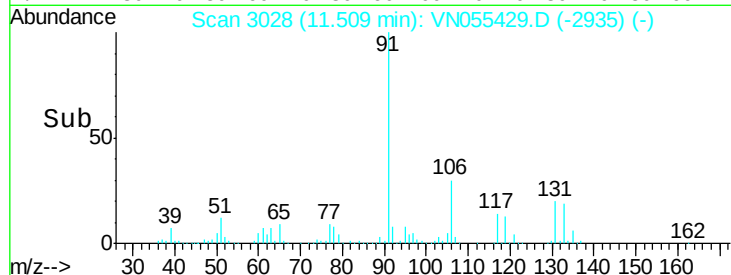
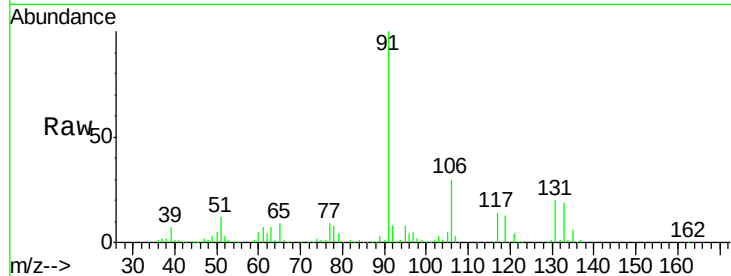
Ion Ratio Lower Upper

91 100

106 30.0 24.6 36.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 106.105 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055429.D

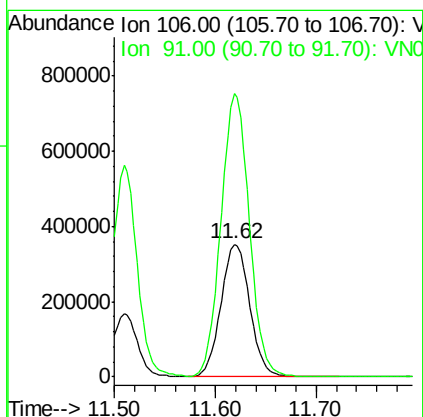
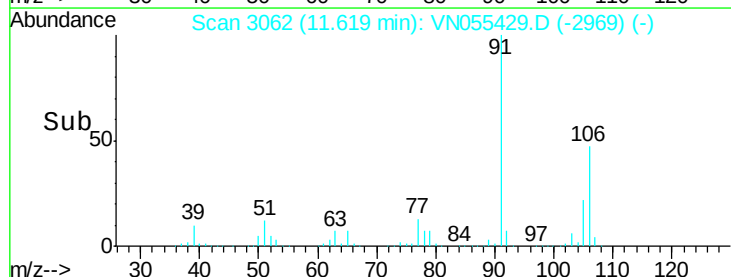
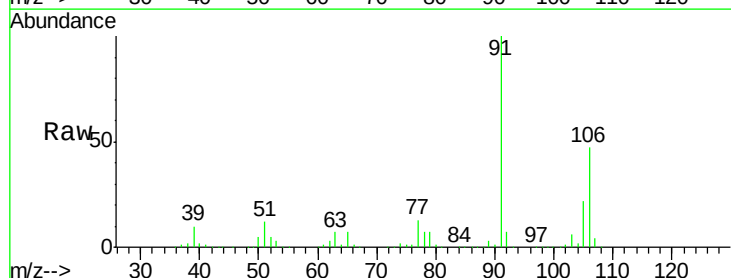
Acq: 7 May 2019 11:37

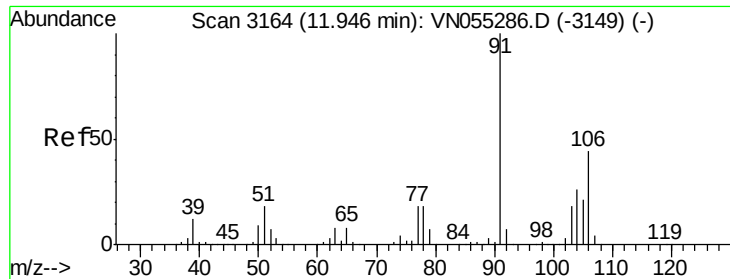
Tgt Ion: 106 Resp: 702985

Ion Ratio Lower Upper

106 100

91 210.6 169.5 254.3





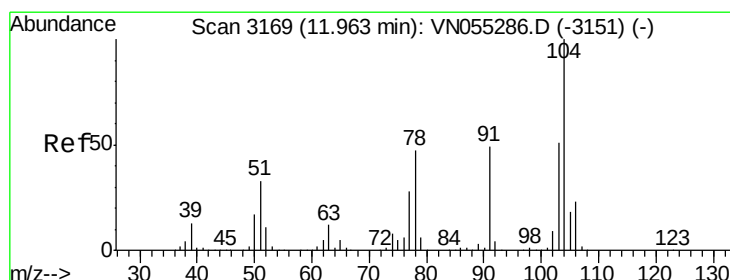
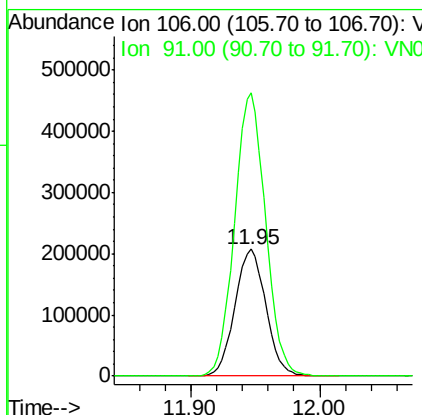
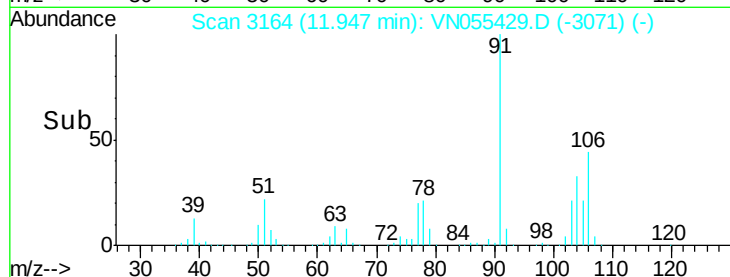
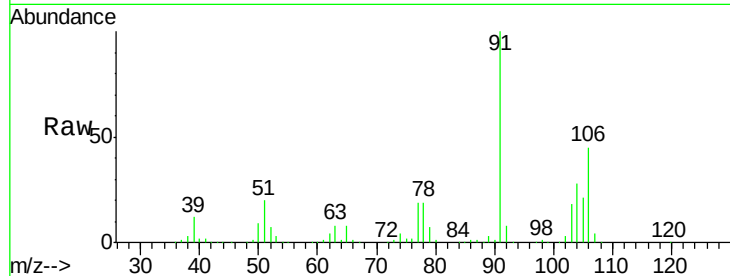
#69
o-Xylene
Concen: 52.712 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 346154
Ion Ratio Lower Upper
106 100
91 223.2 111.5 334.5

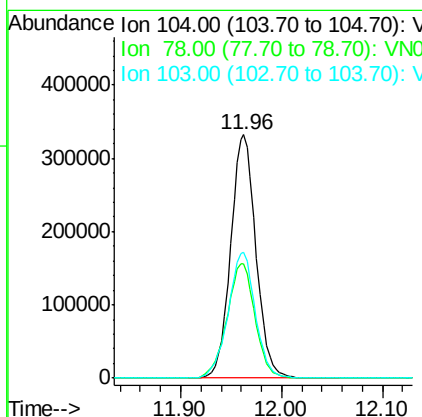
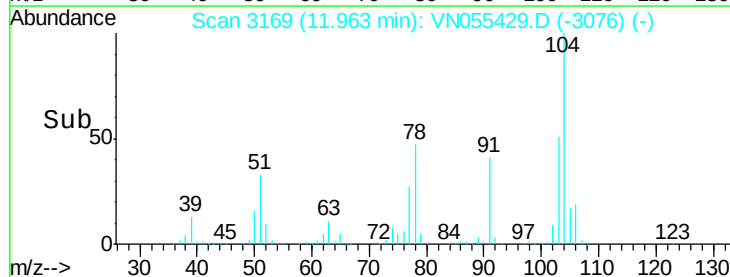
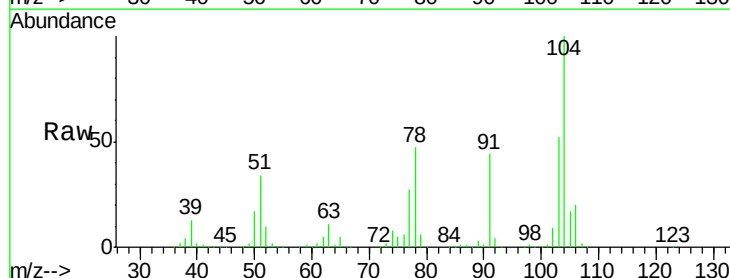
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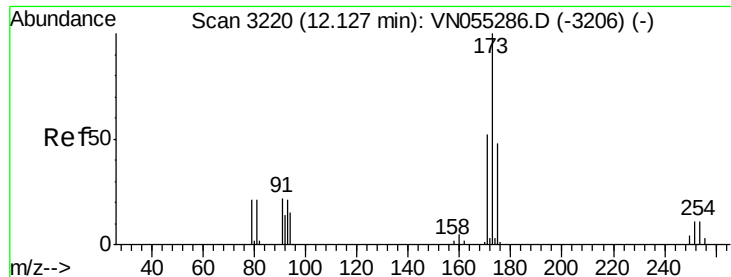
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#70
Styrene
Concen: 57.324 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion:104 Resp: 577982
Ion Ratio Lower Upper
104 100
78 52.3 42.2 63.2
103 55.6 44.6 67.0





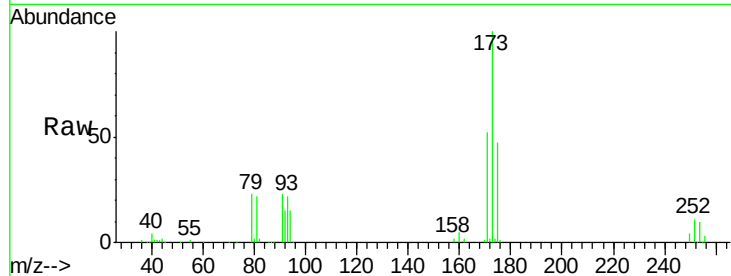
#71
Bromoform
Concen: 57.333 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

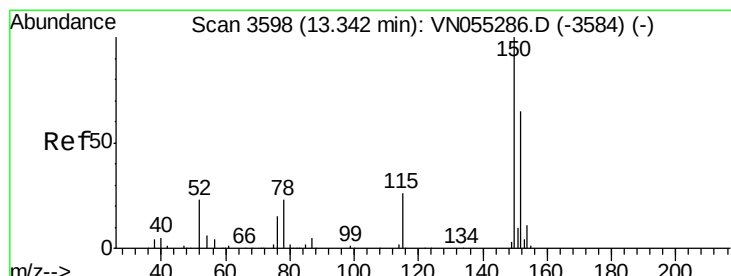
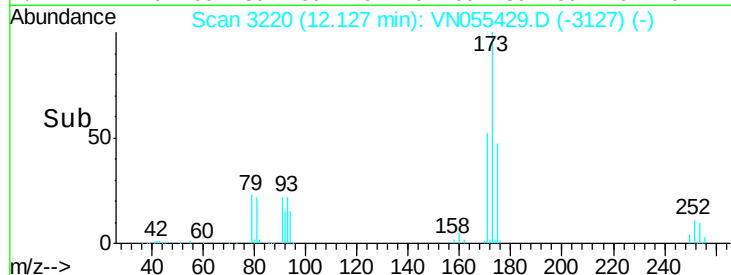
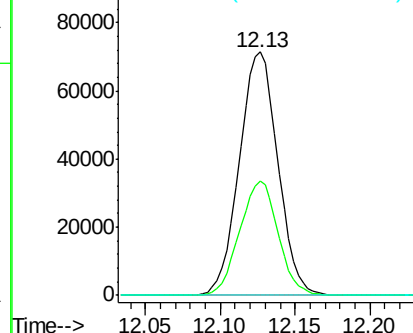
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	23.6	71.0
254	0.2	0.0	0.0

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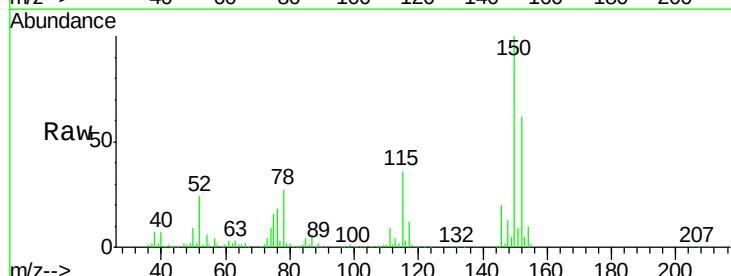


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

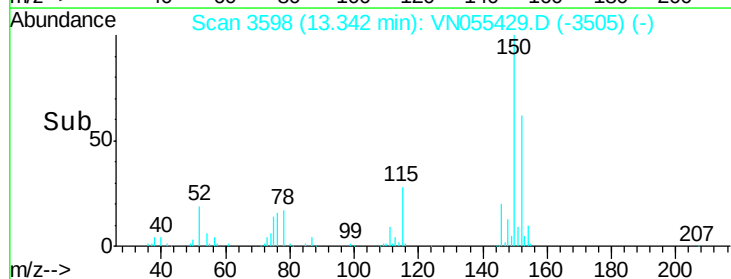
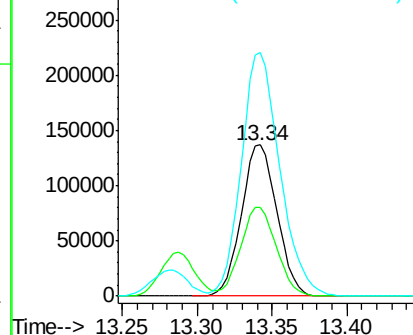


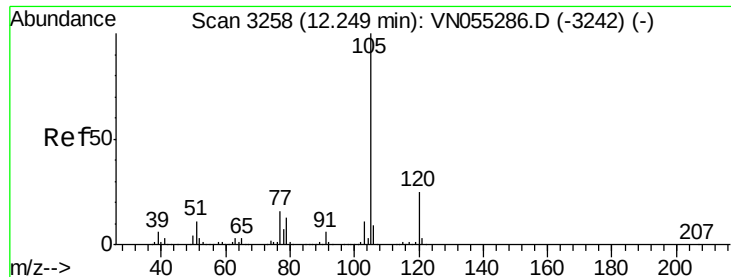
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.0	87.0
150	174.5	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





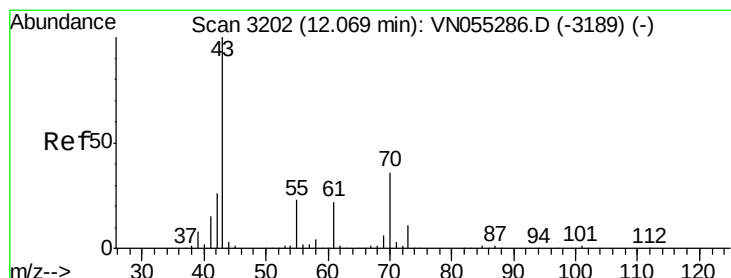
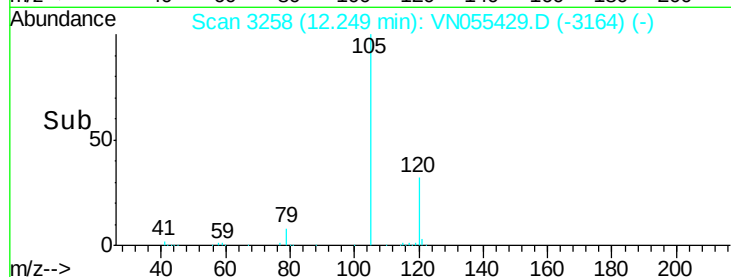
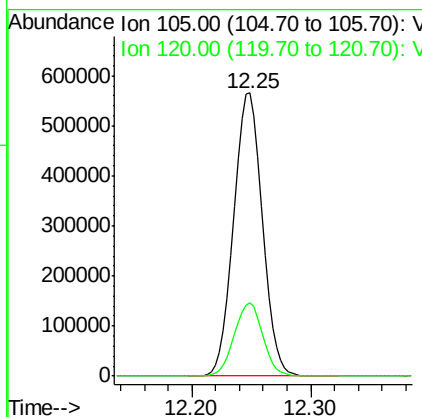
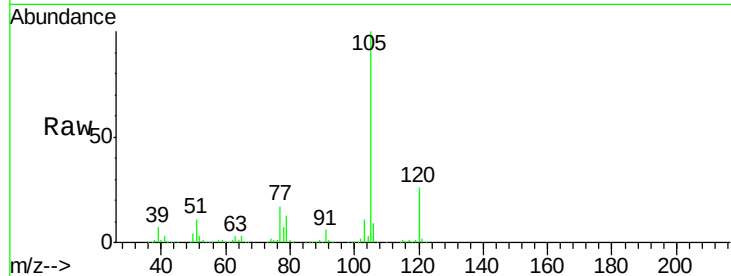
#73
Isopropylbenzene
Concen: 52.723 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7

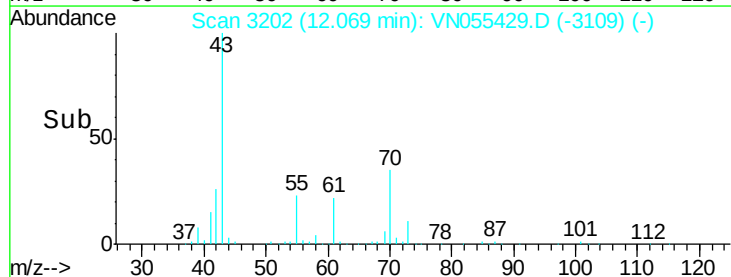
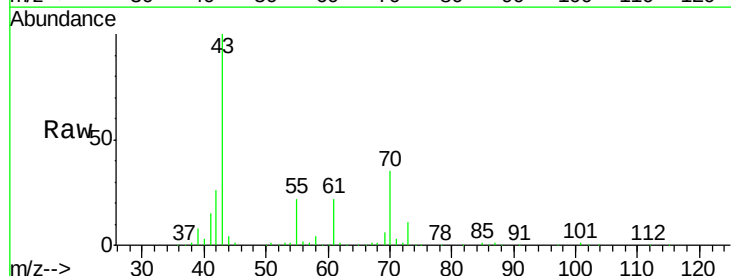
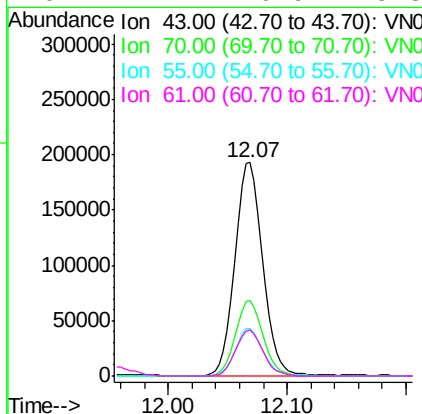
Manual Integrations
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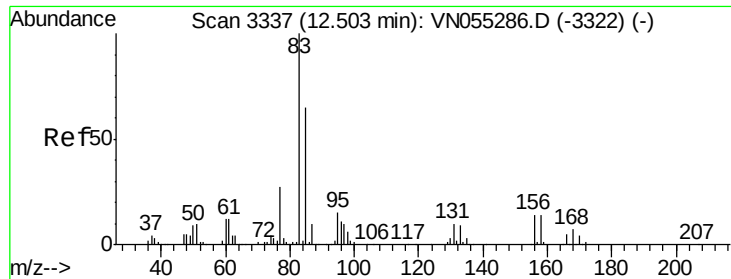
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#74
N-ethyl acetate
Concen: 53.736 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.1	27.9	41.9
55	22.3	18.2	27.2
61	21.2	16.9	25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.418 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

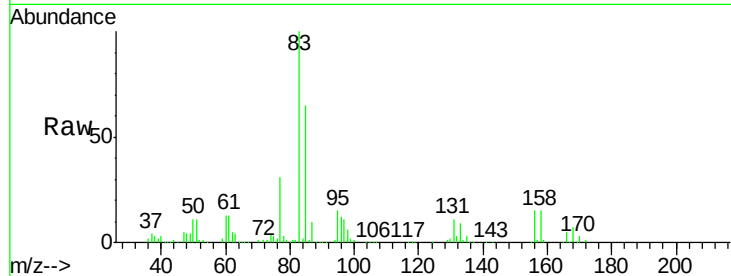
ClientSampled :

VSTDCCC050

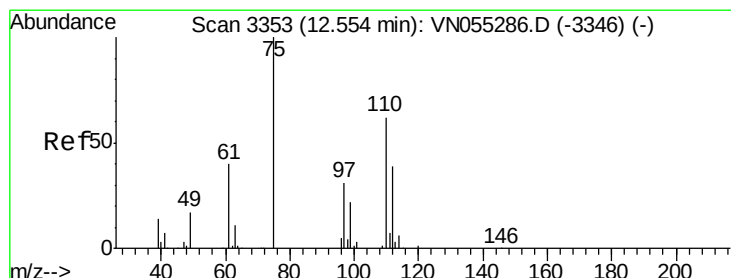
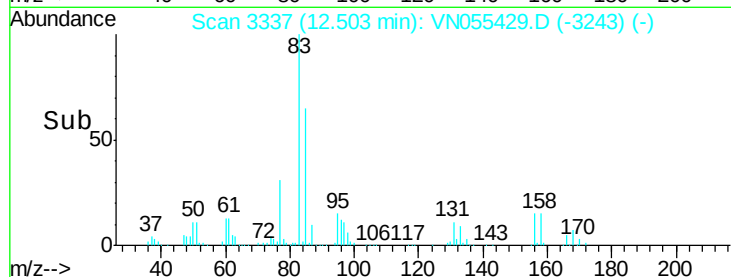
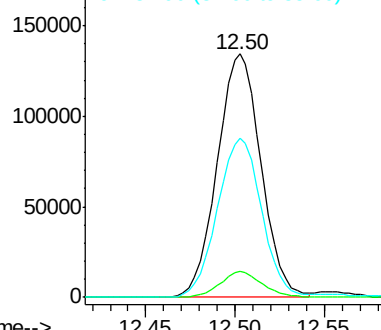
Tot Ion:	83	Resp:	230310
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.2
85	65.9	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055429.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 51.294 ug/l m

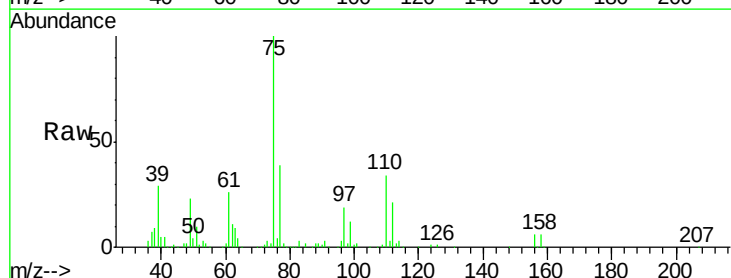
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

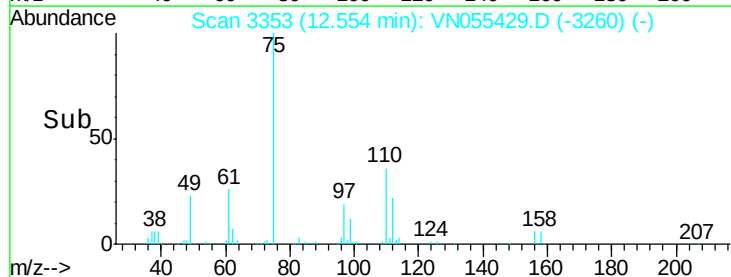
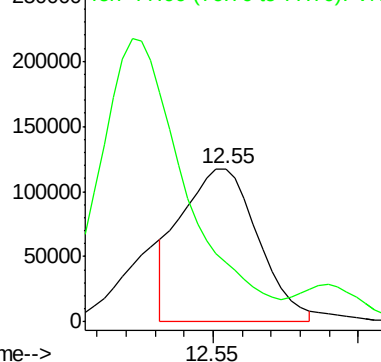
Lab File: VN055429.D

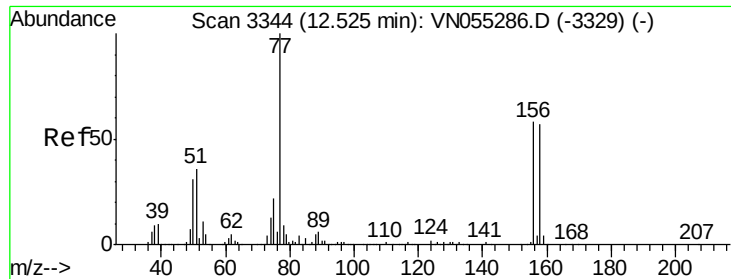
Acq: 7 May 2019 11:37

Tgt Ion:	75	Resp:	215642
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055429.D (-3260) (-)





#77

Bromobenzene

Concen: 50.801 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

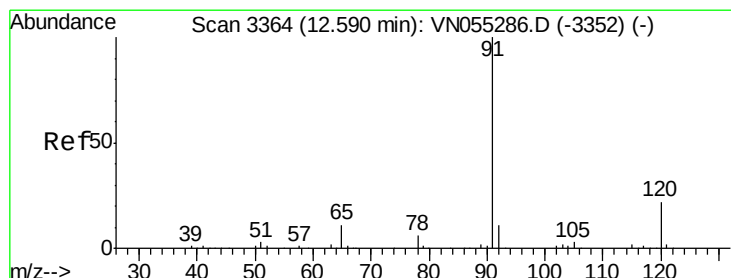
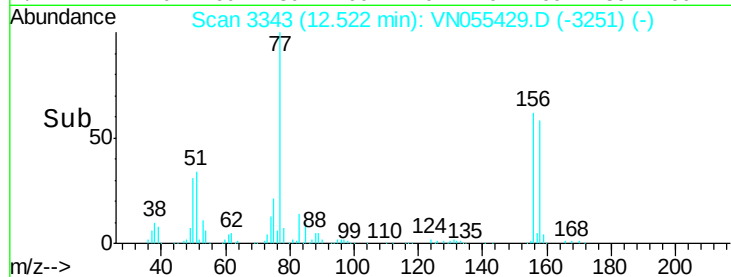
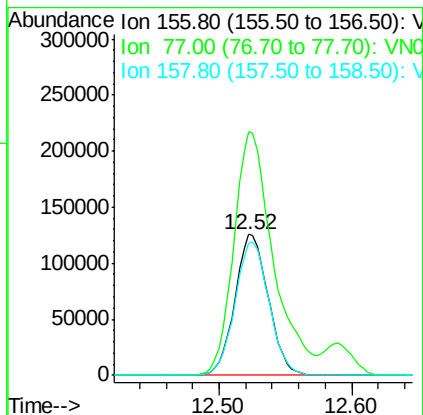
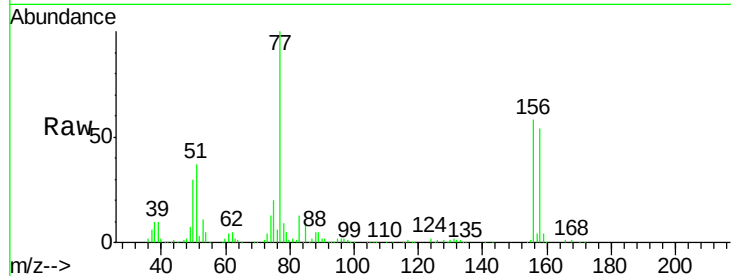
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	219308
Ion Ratio	Lower	Upper	
156	100		
77	205.2	99.6	298.8
158	96.7	49.3	147.8

Manual Integrations
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MMDadoda
5/8/2019 10:21:44 AM



#78

n-propylbenzene

Concen: 46.789 ug/l

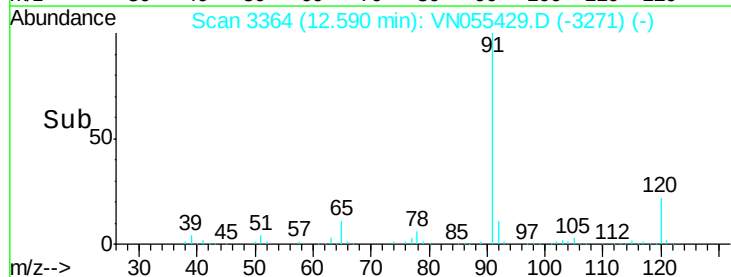
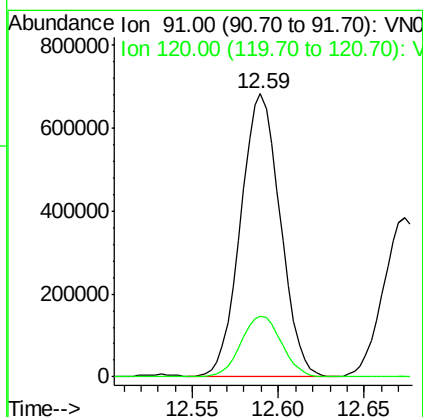
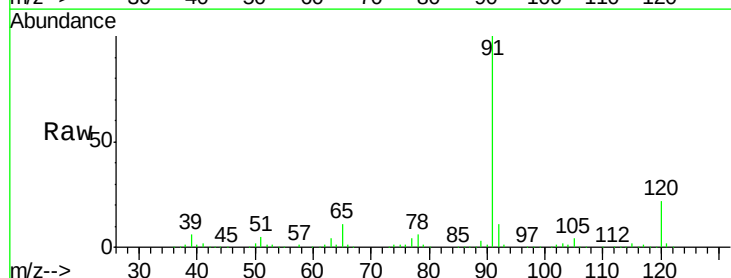
RT: 12.59 min Scan# 3364

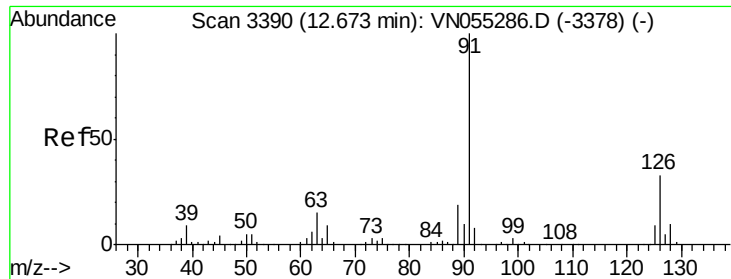
Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Tgt Ion:	91	Resp:	1088438
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.0	33.0





#79

2-Chlorotoluene

Concen: 52.810 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 646314

Ion Ratio Lower Upper

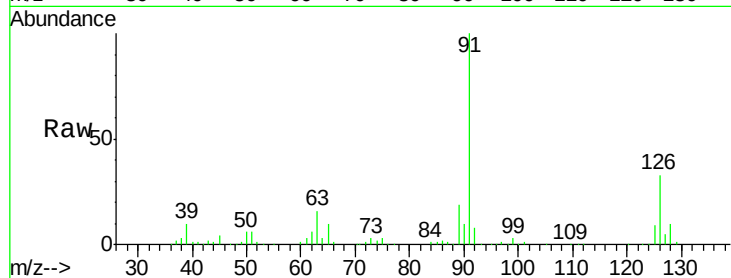
91 100

126 32.6 16.6 49.7

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Abundance Ion 91.00 (90.70 to 91.70): VN055429.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN055429.D (-3297) (-)

500000

400000

300000

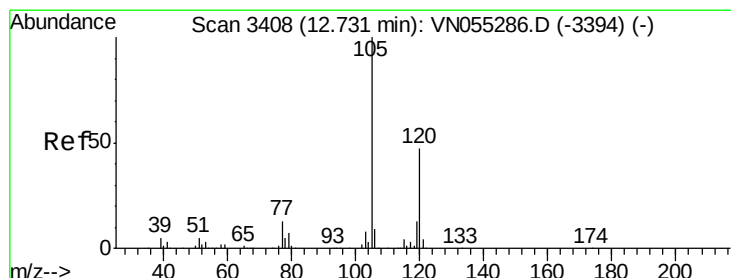
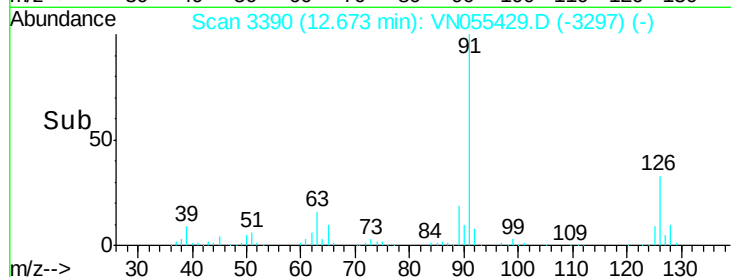
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.142 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055429.D

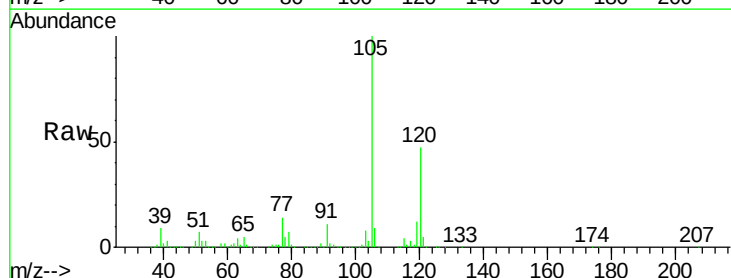
Acq: 7 May 2019 11:37

Tgt Ion: 105 Resp: 819212

Ion Ratio Lower Upper

105 100

120 46.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055429.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN055429.D (-3315) (-)

600000

500000

400000

300000

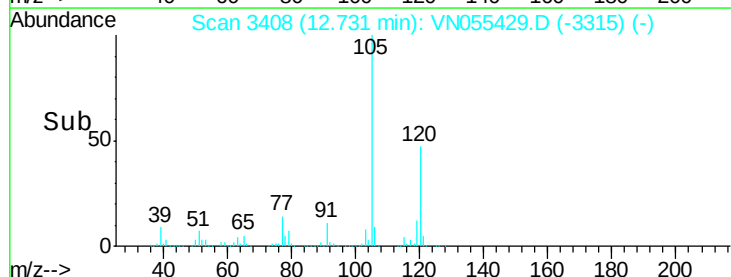
200000

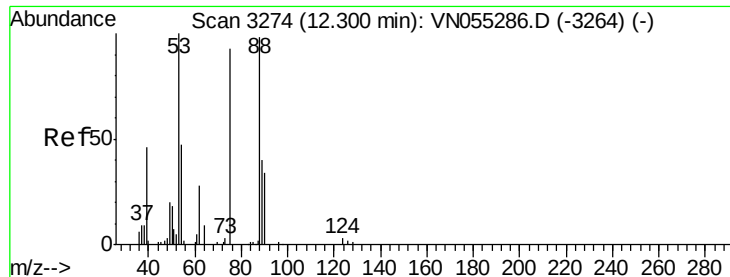
100000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 48.957 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

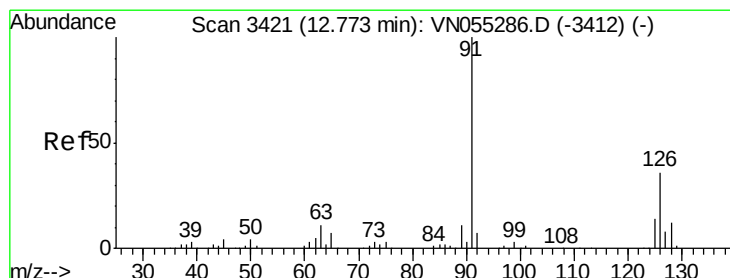
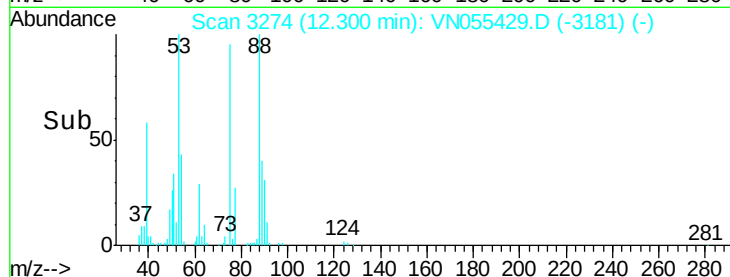
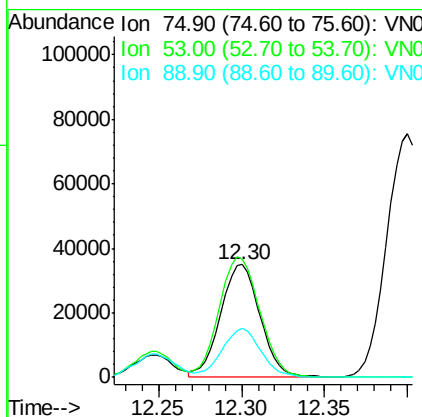
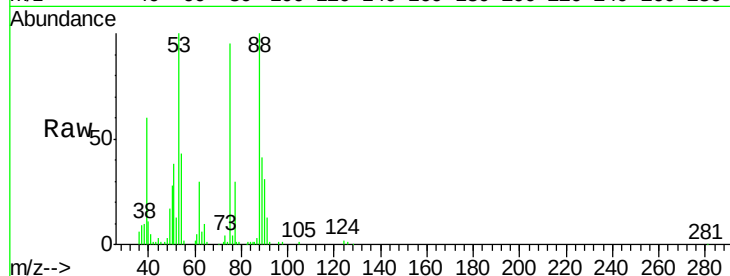
ClientSampled :

VSTDCCC050

Tot Ion:	75	Resp:	58504
Ion	Ratio	Lower	Upper
75	100		
53	108.1	86.3	129.5
89	42.3	34.6	51.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.621 ug/l

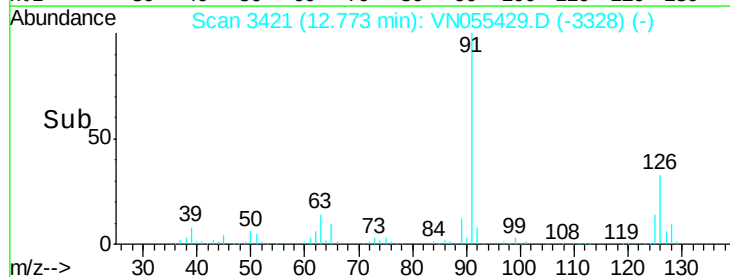
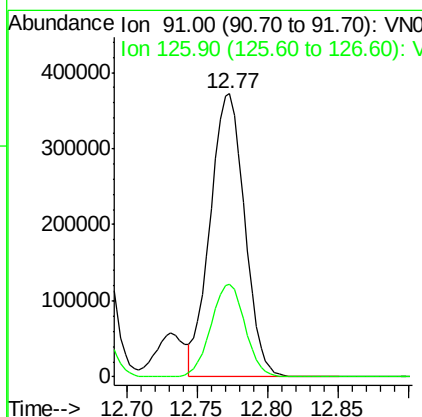
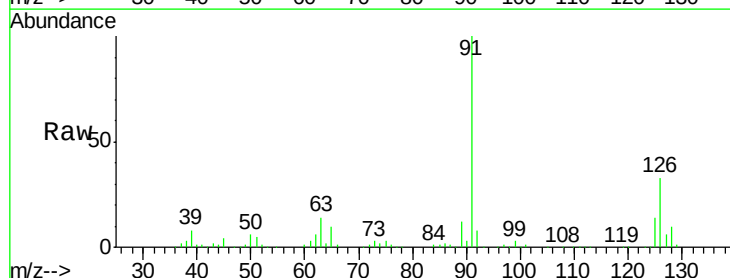
RT: 12.77 min Scan# 3421

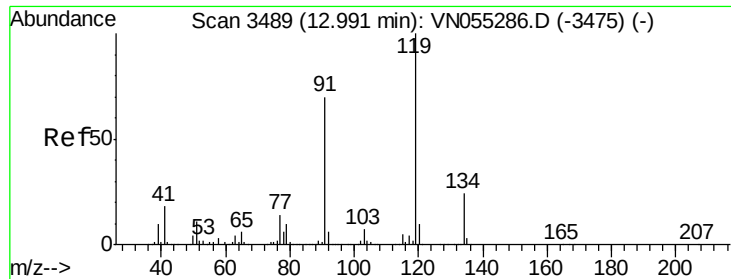
Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Tgt Ion:	91	Resp:	630582
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.6	49.7





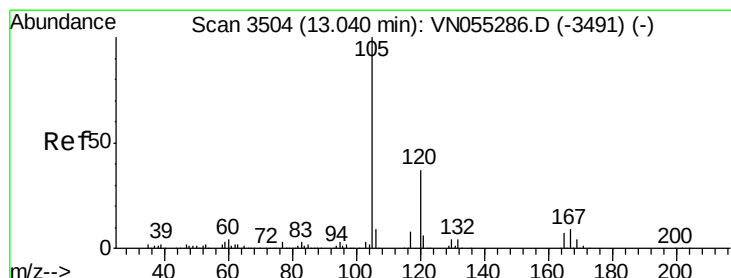
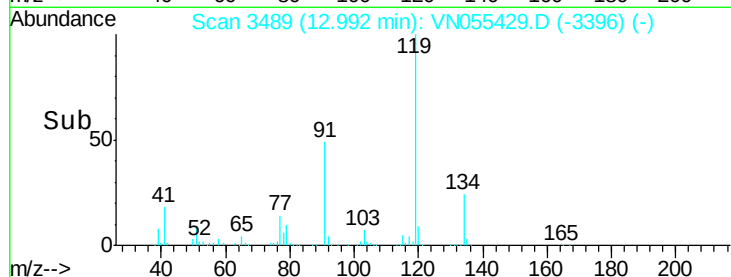
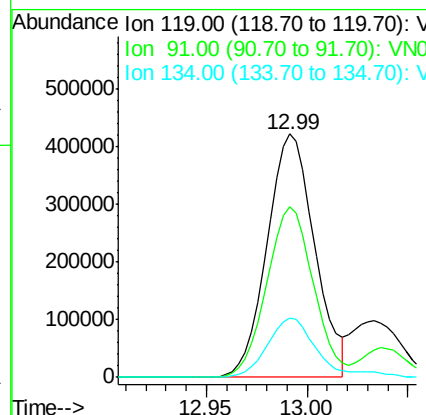
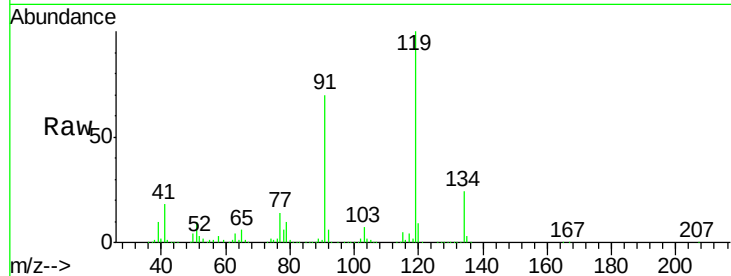
#83
 tert-Butylbenzene
 Concen: 55.575 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	34.3	102.9
134	25.5	13.1	39.3

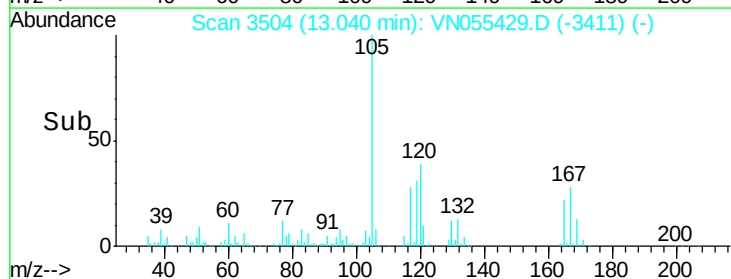
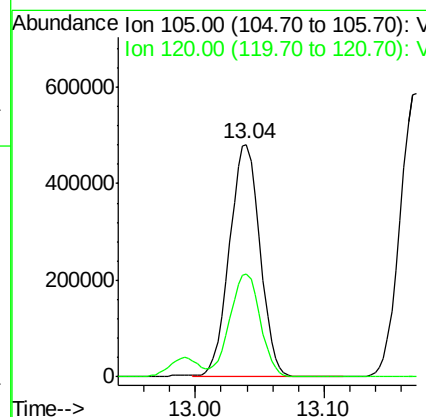
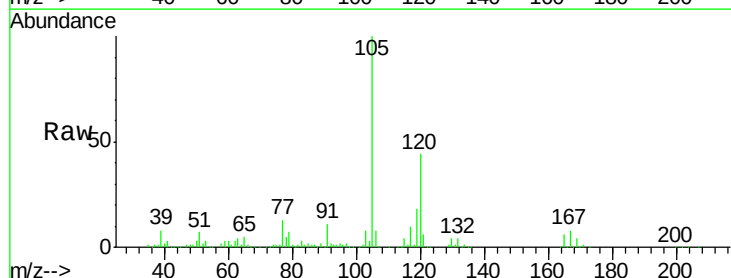
Manual Integrations
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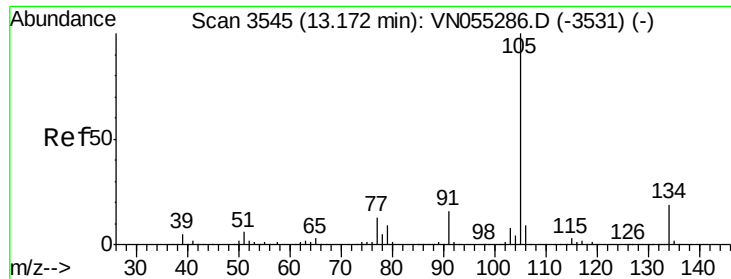
MMDadoda
 5/8/2019 10:21:44 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.621 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 48.413 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 934222

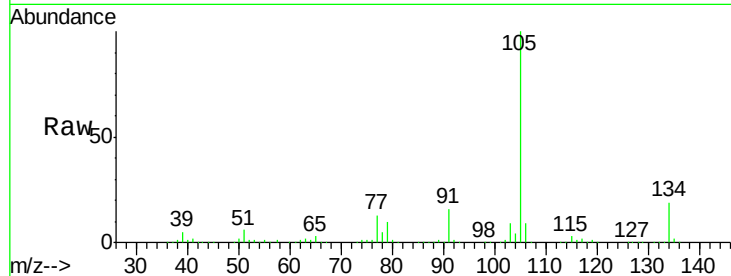
Ion Ratio Lower Upper

105 100

134 19.4 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

13.17

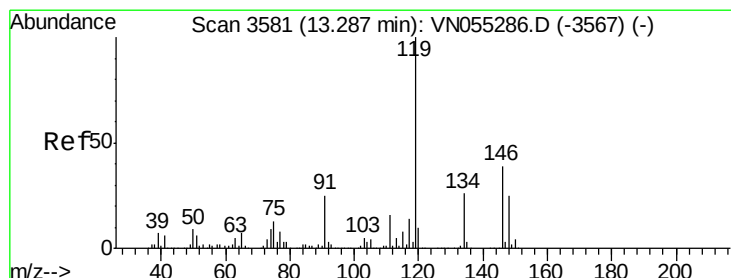
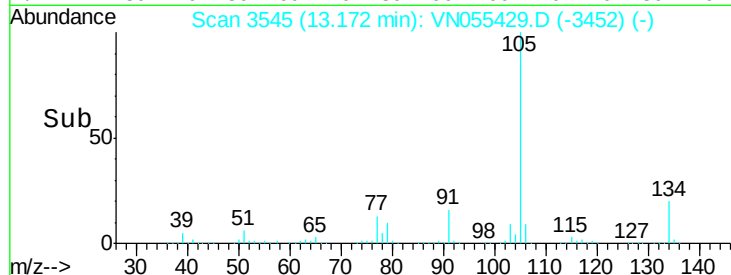
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.697 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

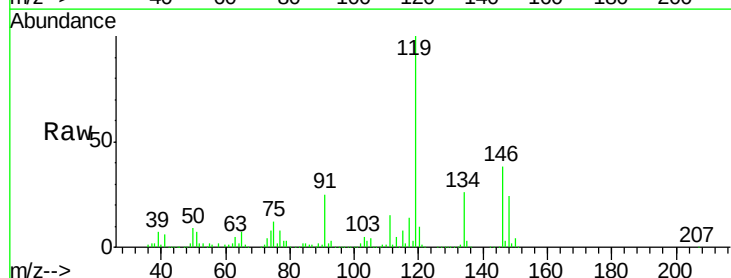
Tgt Ion:119 Resp: 819936

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

91 24.7 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

13.29

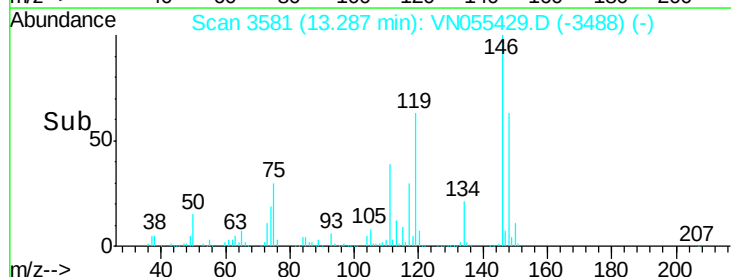
600000

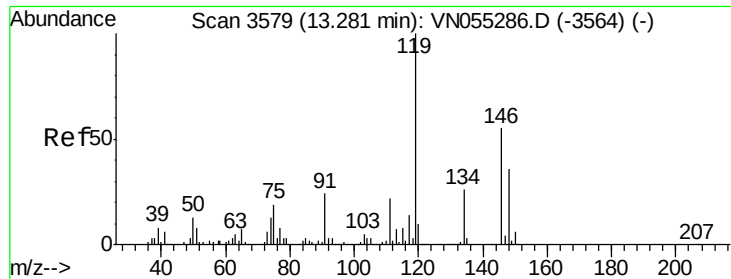
400000

200000

0

Time-->





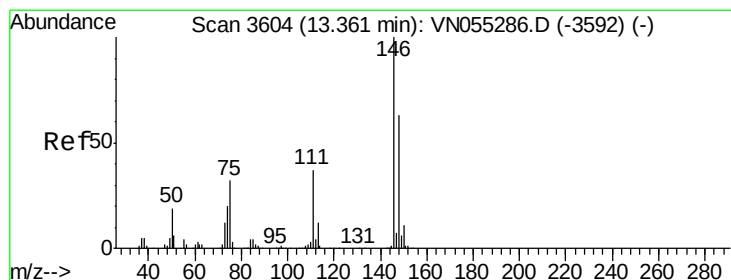
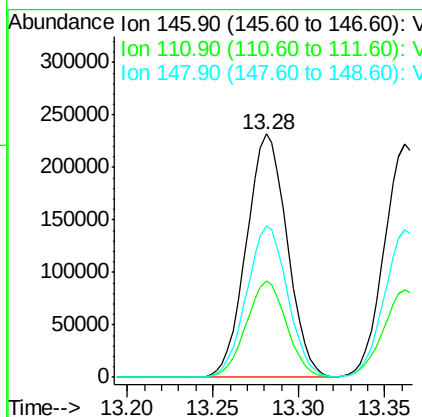
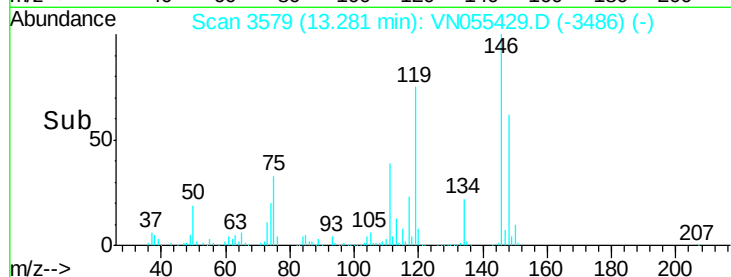
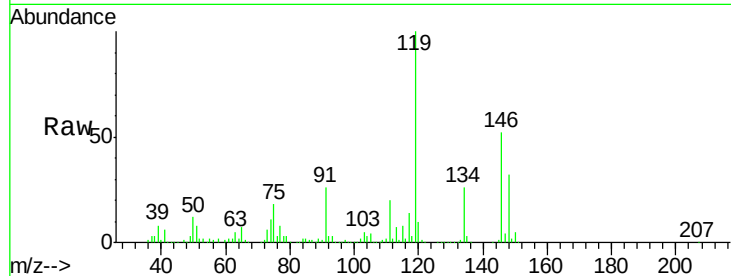
#87
 1,3-Dichlorobenzene
 Concen: 50.369 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	381696		
111	39.2	20.3	60.8	
148	62.6	32.5	97.5	

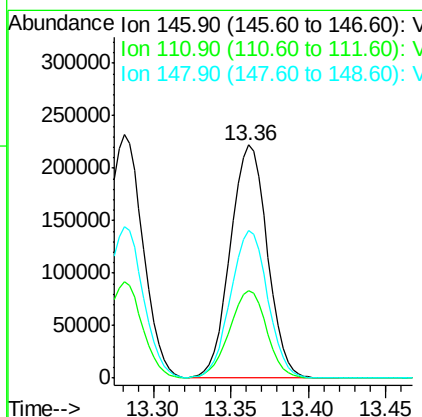
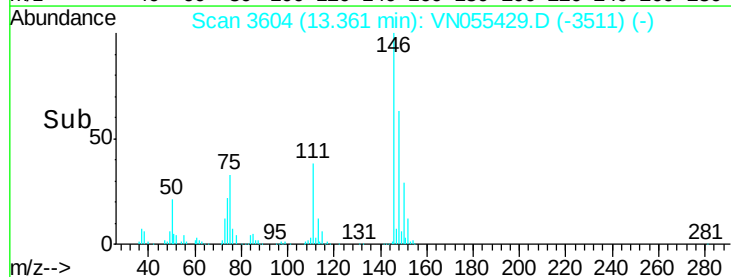
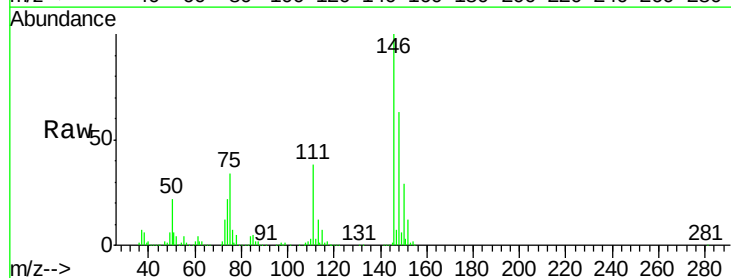
Manual Integrations
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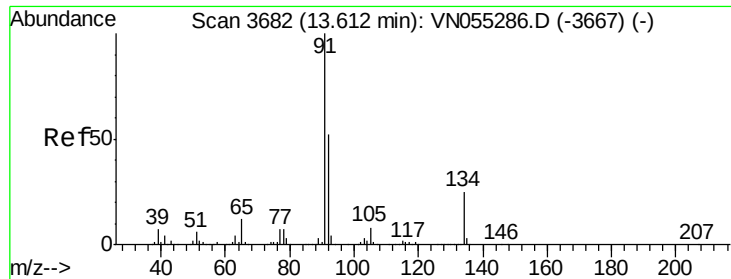
MMDadoda
 5/8/2019 10:21:44 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.653 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	368618		
111	38.0	19.5	58.5	
148	63.5	32.5	97.4	





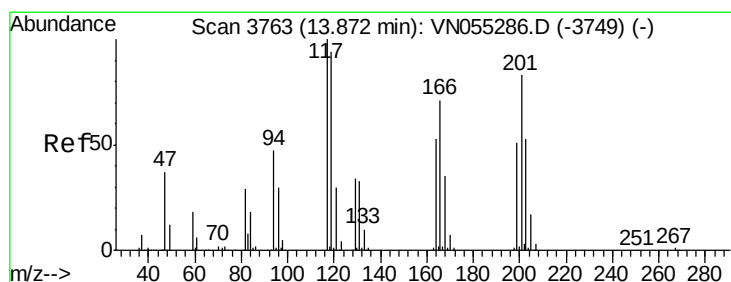
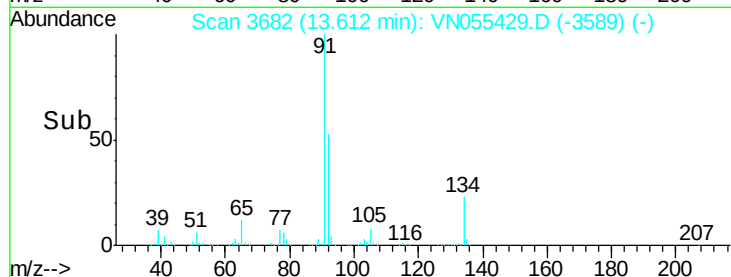
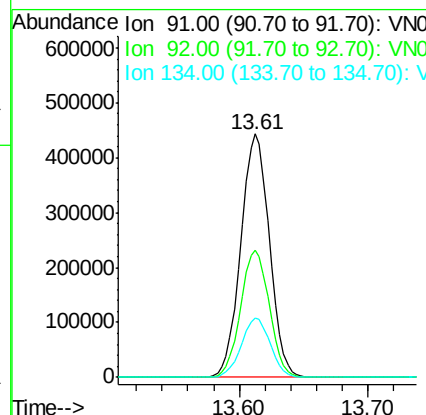
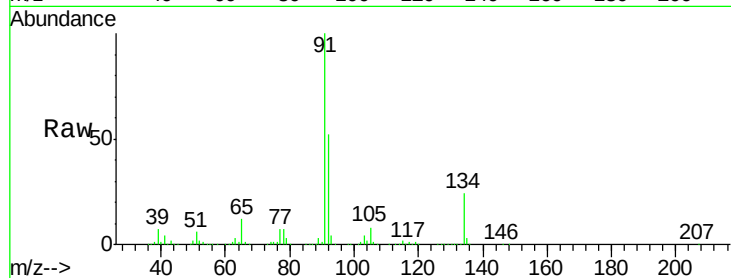
#89
n-Butylbenzene
Concen: 60.528 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	24.7	12.4	37.4

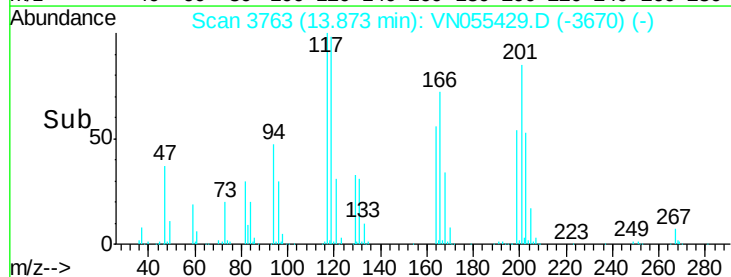
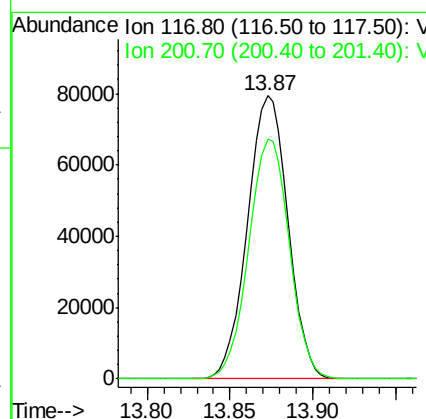
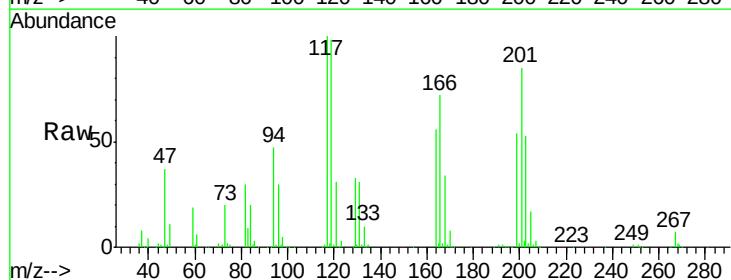
Manual Integrations
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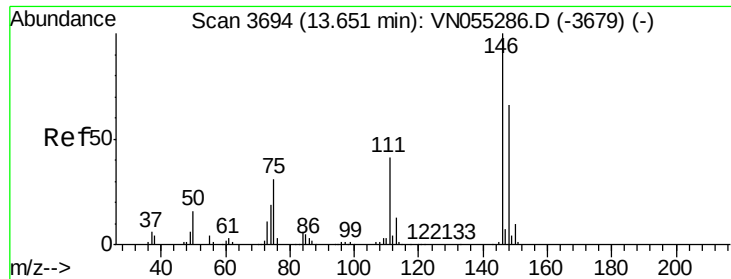
MMDadoda
5/8/2019 10:21:44 AM



#90
Hexachloroethane
Concen: 54.013 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055429.D
Acq: 7 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.0	41.9	125.8





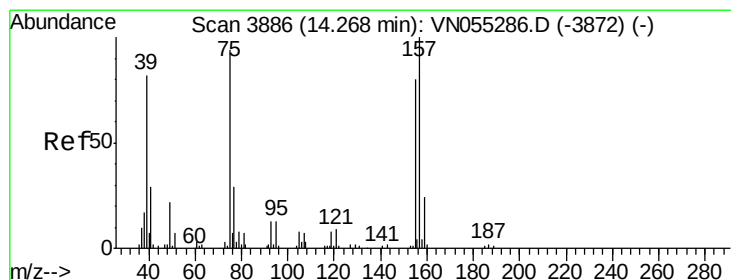
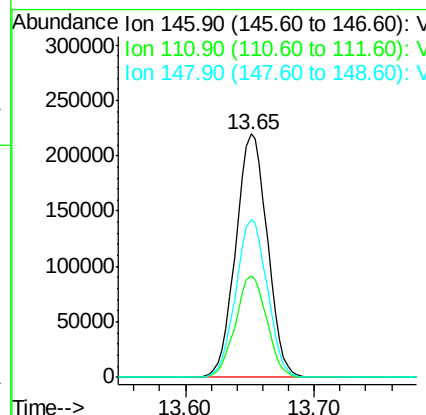
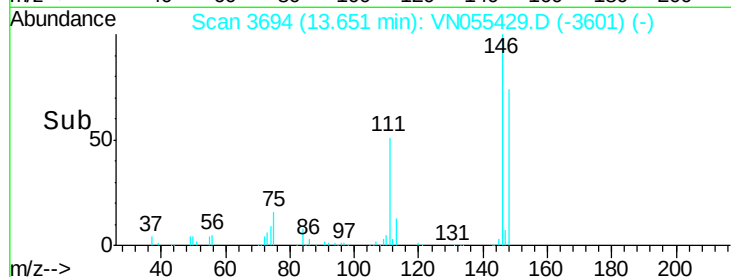
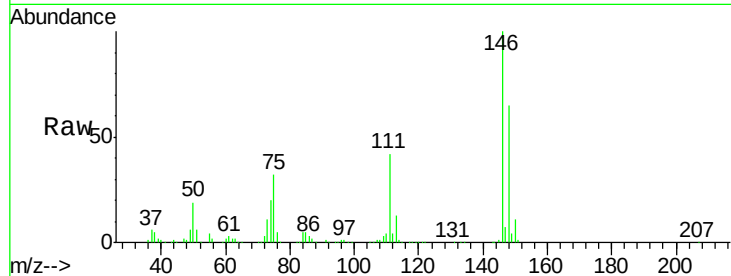
#91
 1,2-Dichlorobenzene
 Concen: 49.743 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	61.0
148	64.7	32.4	97.2

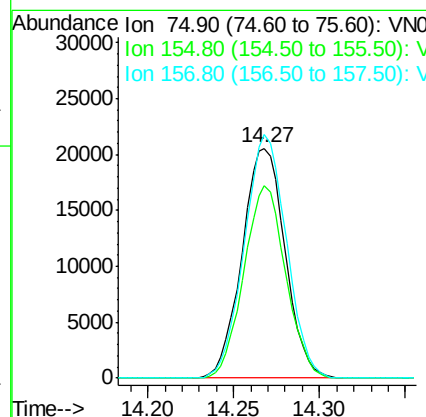
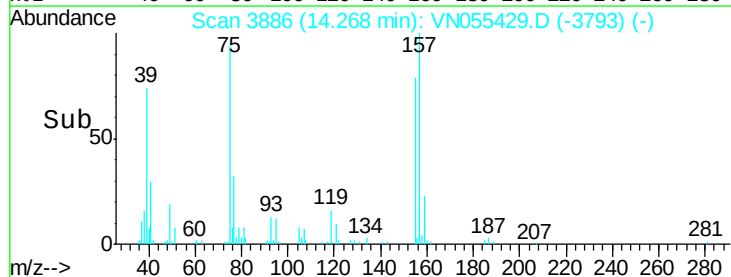
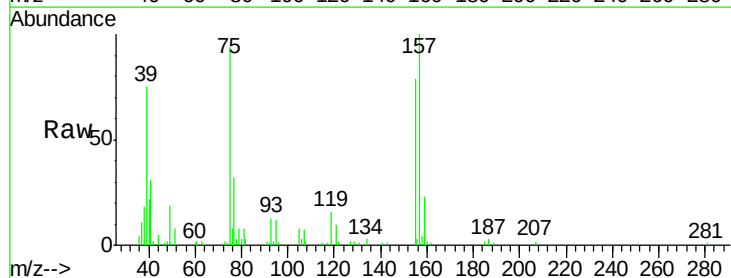
Manual Integrations
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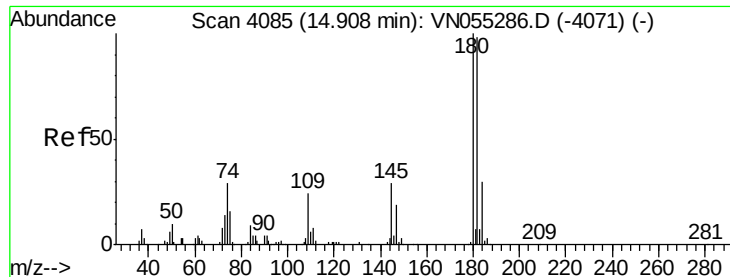
MMDadoda
 5/8/2019 10:21:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.956 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.9	41.5	124.6
157	103.3	54.0	162.2





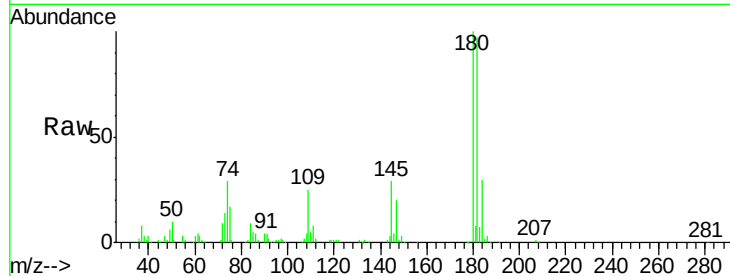
#93
 1,2,4-Trichlorobenzene
 Concen: 57.562 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

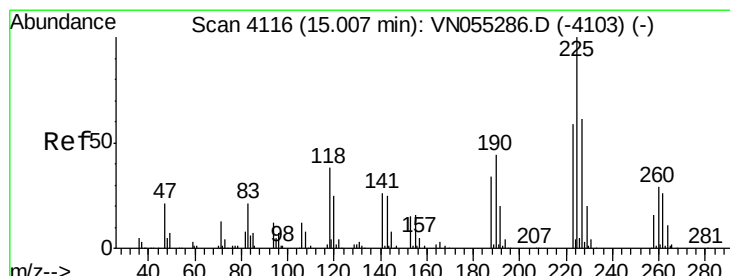
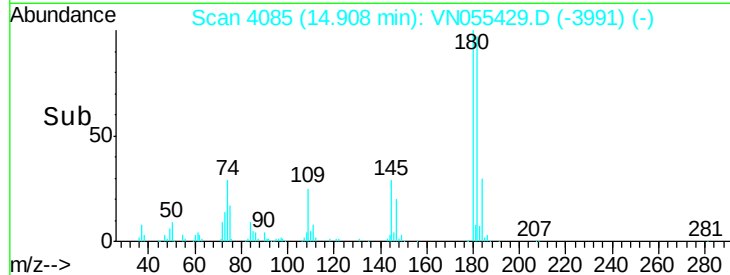
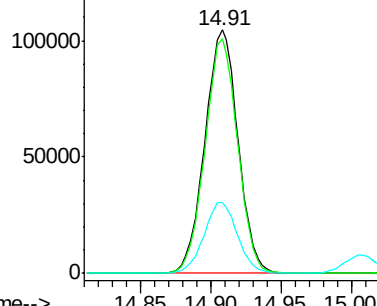
Tot Ion:	180	Resp:	172028
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.3	144.9
145	29.5	14.2	42.6

Manual Integrations
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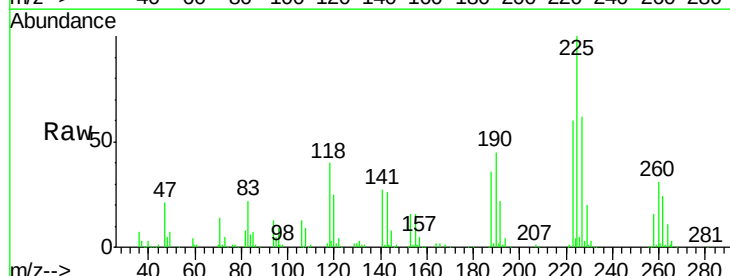


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

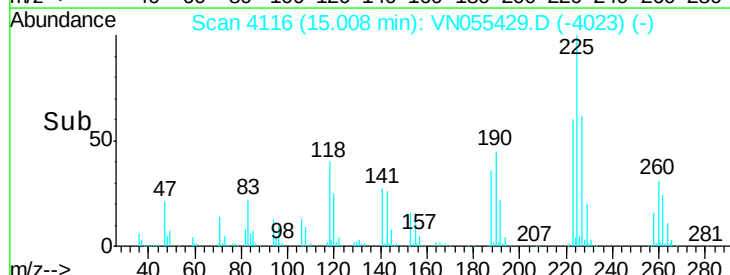
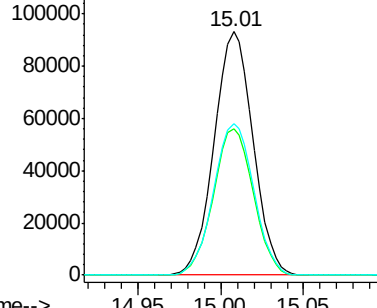


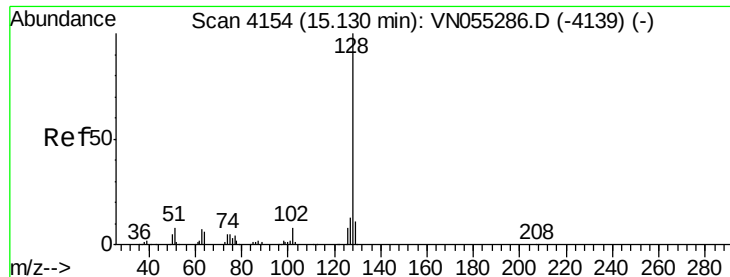
#94
 Hexachlorobutadiene
 Concen: 68.361 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055429.D
 Acq: 7 May 2019 11:37

Tgt Ion:	225	Resp:	152178
Ion Ratio	Lower	Upper	
225	100		
223	61.9	30.3	90.8
227	64.5	30.9	92.7



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





#95

Naphthalene

Concen: 50.316 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Instrument :

MSVOA_N

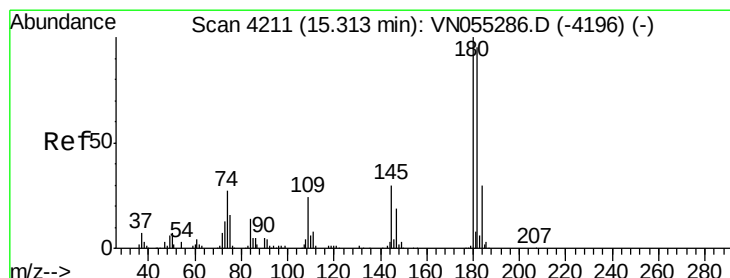
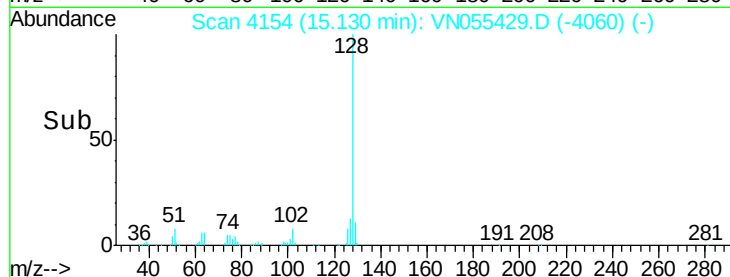
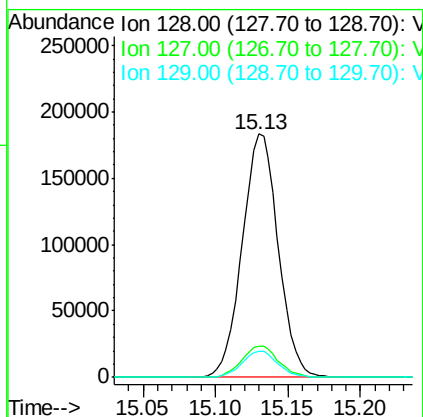
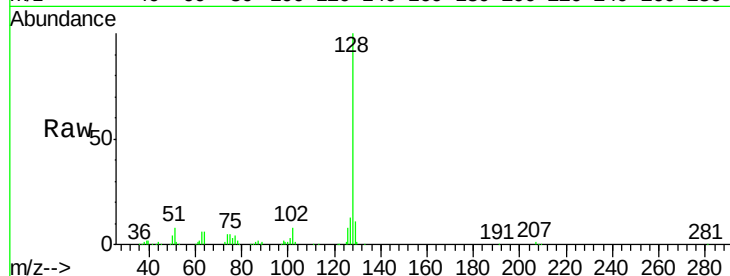
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	316868
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.7	16.1
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:21:44 AM



#96

1,2,3-Trichlorobenzene

Concen: 57.461 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055429.D

Acq: 7 May 2019 11:37

Tgt Ion:	180	Resp:	168757
Ion Ratio	Lower	Upper	
180	100		
182	96.8	48.3	144.9
145	30.8	15.2	45.6

