

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
 Data File : VN055405.D
 Acq On : 6 May 2019 9:23
 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
 5/7/2019 1:25:13 PM

Quant Time: May 07 01:19:29 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	417641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	656929	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	552930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	224320	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	256012	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
35) Dibromofluoromethane	7.59	113	209676	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
50) Toluene-d8	10.09	98	771946	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	257089	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	230938	45.132	ug/l	100
3) Chloromethane	2.06	50	255831	40.376	ug/l	99
4) Vinyl Chloride	2.19	62	228919	44.820	ug/l	97
5) Bromomethane	2.57	94	127653	47.185	ug/l	95
6) Chloroethane	2.71	64	130467	47.154	ug/l	97
7) Trichlorofluoromethane	3.02	101	333018	45.854	ug/l	99
8) Diethyl Ether	3.41	74	118854	46.776	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	205343	47.481	ug/l	99
10) Methyl Iodide	3.96	142	271616	44.627	ug/l	100
11) Tert butyl alcohol	4.78	59	66527	212.674	ug/l	95
12) 1,1-Dichloroethene	3.74	96	188257	45.631	ug/l	97
13) Acrolein	3.61	56	64282	263.133	ug/l	98
14) Allyl chloride	4.33	41	407320	47.670	ug/l	99
15) Acrylonitrile	4.99	53	395679	225.038	ug/l	100
16) Acetone	3.82	43	416933	244.907	ug/l	99
17) Carbon Disulfide	4.06	76	464181	43.113	ug/l	99
18) Methyl Acetate	4.33	43	198358	47.784	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	537497	46.344	ug/l	99
20) Methylene Chloride	4.55	84	220033	42.344	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	195408	44.723	ug/l	98
22) Diisopropyl ether	5.95	45	832481	49.035	ug/l	96
23) Vinyl Acetate	5.90	43	2632206	236.565	ug/l	99
24) 1,1-Dichloroethane	5.85	63	426904	47.195	ug/l	99
25) 2-Butanone	6.84	43	507717	233.201	ug/l	99
26) 2,2-Dichloropropane	6.83	77	309998	49.629	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	235954	47.488	ug/l	97
28) Bromochloromethane	7.19	49	213437	46.811	ug/l	98
29) Tetrahydrofuran	7.21	42	308010	220.938	ug/l	99
30) Chloroform	7.37	83	405311	47.268	ug/l	97
31) Cyclohexane	7.65	56	377669	43.945	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	329163	47.298	ug/l	99
36) 1,1-Dichloropropene	7.79	75	299762	47.639	ug/l	99
37) Ethyl Acetate	6.93	43	203737	42.247	ug/l	98
38) Carbon Tetrachloride	7.77	117	281862	46.436	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	320654	47.929	ug/l	99
40) Benzene	8.04	78	880102	47.446	ug/l	99
41) Methacrylonitrile	7.17	41	123125	47.215	ug/l	97
42) 1,2-Dichloroethane	8.12	62	307448	46.797	ug/l	100
43) Isopropyl Acetate	8.16	43	363572	46.912	ug/l #	88
44) Trichloroethene	8.83	130	227031	48.010	ug/l	100
45) 1,2-Dichloropropane	9.12	63	254668	47.602	ug/l	100
46) Dibromomethane	9.21	93	134026	45.831	ug/l	99
47) Bromodichloromethane	9.40	83	312588	49.826	ug/l	99
48) Methyl methacrylate	9.20	41	169852	44.581	ug/l	99
49) 1,4-Dioxane	9.20	88	35799	908.947	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1007171	230.820	ug/l	99
52) Toluene	10.15	92	516335	48.513	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	283034	51.970	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	345762	50.921	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	184469	46.675	ug/l	98
56) Ethyl methacrylate	10.43	69	233653	48.031	ug/l	99
57) 1,3-Dichloropropane	10.71	76	330296	47.639	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	262202	177.464	ug/l	99
59) 2-Hexanone	10.75	43	647915	237.318	ug/l	98
60) Dibromochloromethane	10.90	129	207657	51.409	ug/l	99
61) 1,2-Dibromoethane	11.00	107	170215	46.596	ug/l	99
64) Tetrachloroethene	10.63	164	217221	48.039	ug/l	99
65) Chlorobenzene	11.43	112	525345	48.596	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	208949	49.361	ug/l	100
67) Ethyl Benzene	11.51	91	987024	50.561	ug/l	99
68) m/p-Xylenes	11.62	106	716412	102.813	ug/l	99
69) o-Xylene	11.95	106	348611	50.475	ug/l	99
70) Styrene	11.96	104	577701	54.478	ug/l	100
71) Bromoform	12.12	173	122911	52.328	ug/l #	99
73) Isopropylbenzene	12.25	105	951710	53.544	ug/l	100
74) N-amyl acetate	12.07	43	253927	44.108	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	212593	47.685	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	172447m	40.900	ug/l	
77) Bromobenzene	12.53	156	220183	51.522	ug/l	99
78) n-propylbenzene	12.59	91	1064243	46.186	ug/l	100
79) 2-Chlorotoluene	12.67	91	645314	53.254	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	789306	44.883	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53352	45.072	ug/l	98
82) 4-Chlorotoluene	12.77	91	621238	46.369	ug/l	100
83) tert-Butylbenzene	12.99	119	662731	53.442	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	760013	48.322	ug/l	100
85) sec-Butylbenzene	13.17	105	877308	45.898	ug/l	99
86) p-Isopropyltoluene	13.29	119	756471	48.151	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	369476	49.222	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	355001	50.220	ug/l	99
89) n-Butylbenzene	13.61	91	601538	53.884	ug/l	99
90) Hexachloroethane	13.87	117	131930	53.136	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	361159	48.545	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29098	49.306	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	141569	48.382	ug/l	99
94) Hexachlorobutadiene	15.01	225	136298	61.529	ug/l	96
95) Naphthalene	15.13	128	259780	42.219	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	139217	48.292	ug/l	99

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

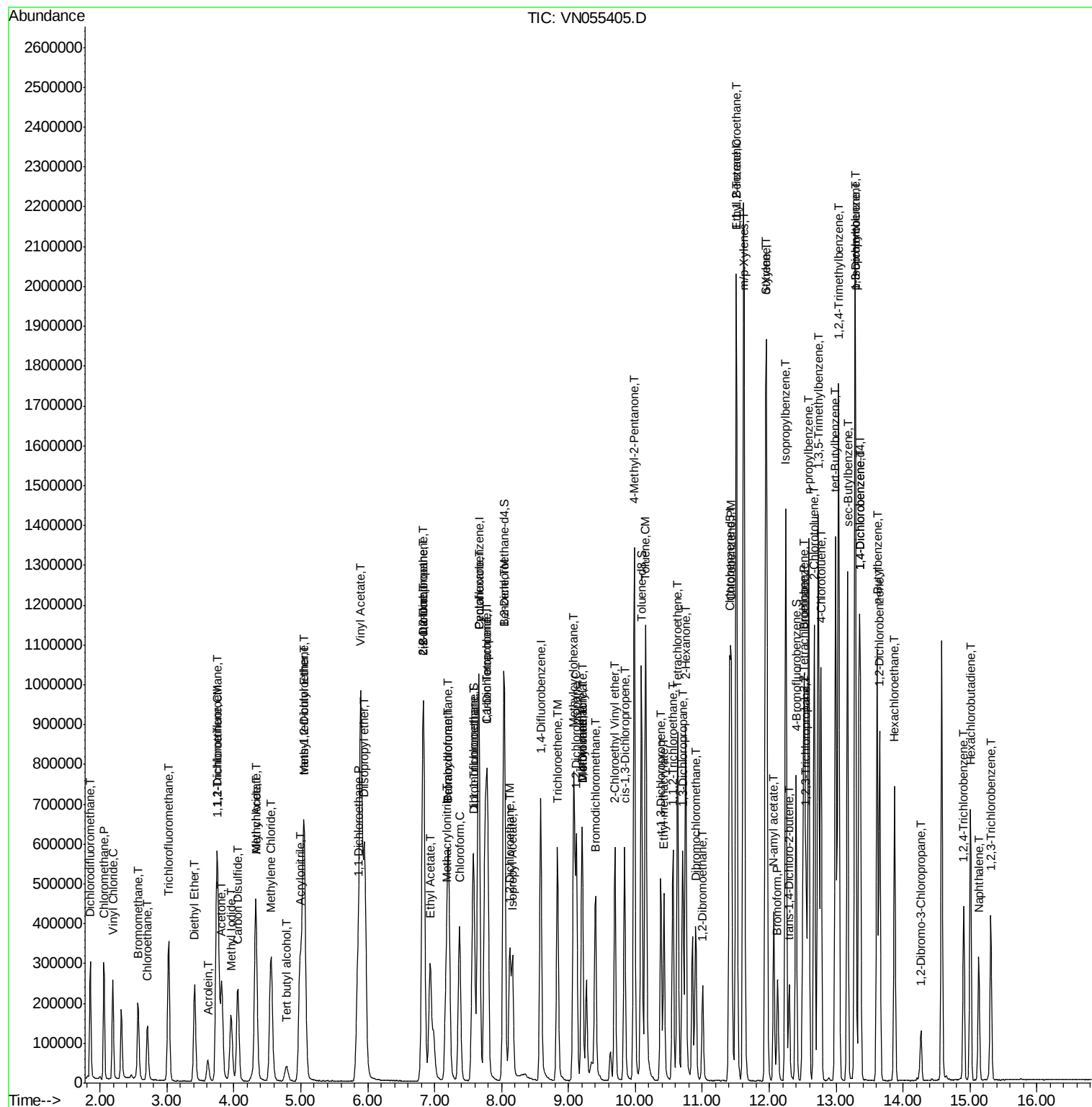
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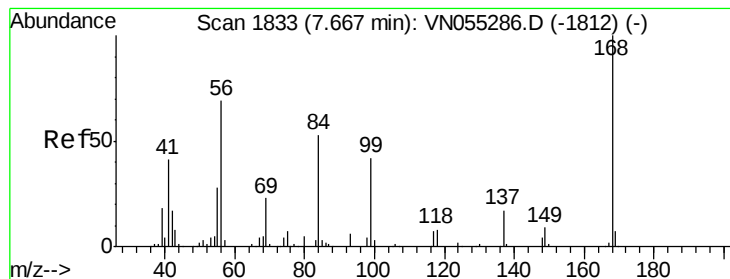
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 417641

Ion Ratio Lower Upper

168 100

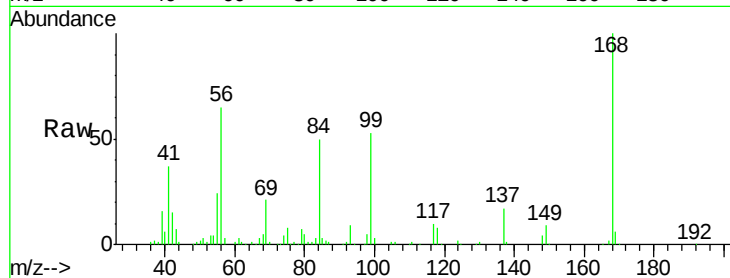
99 52.6 43.6 65.4

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

200000

150000

100000

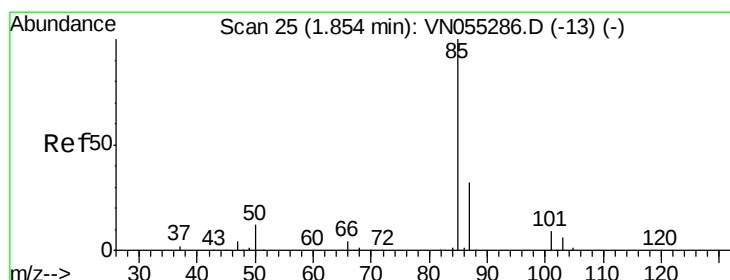
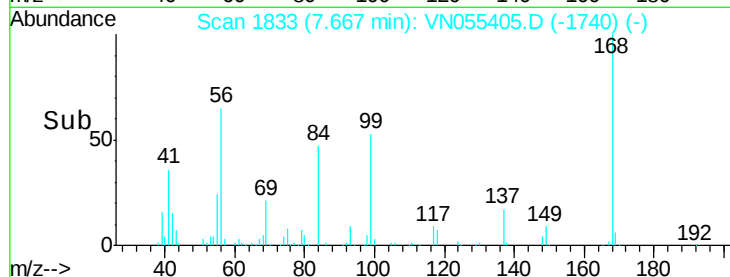
50000

0

7.67

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.132 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055405.D

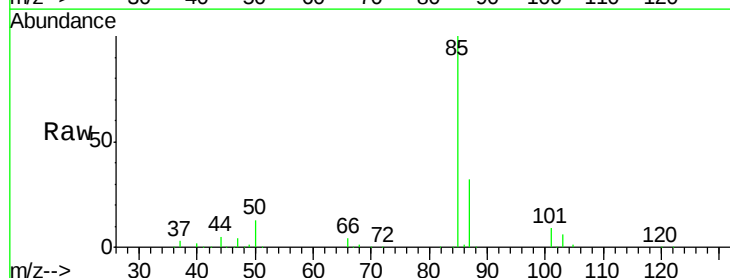
Acq: 6 May 2019 9:23

Tgt Ion: 85 Resp: 230938

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

100000

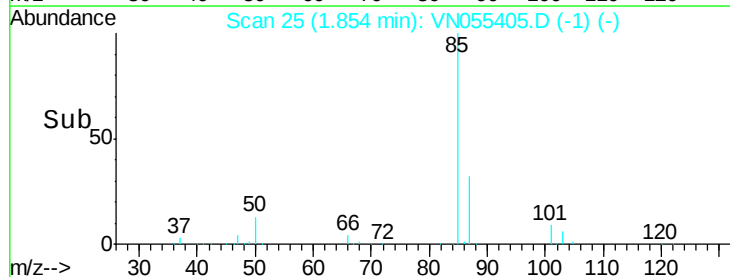
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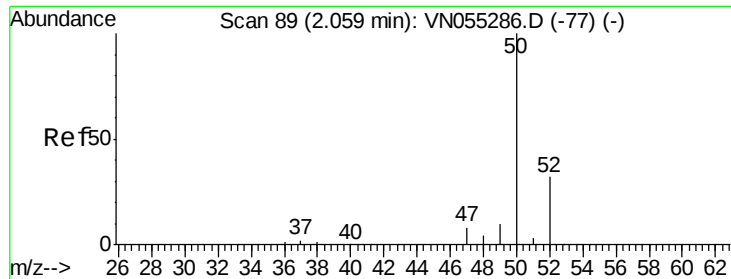
0

1.85

1.80 1.90 1.95

Time-->





#3

Chloromethane

Concen: 40.376 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 255831

Ion Ratio Lower Upper

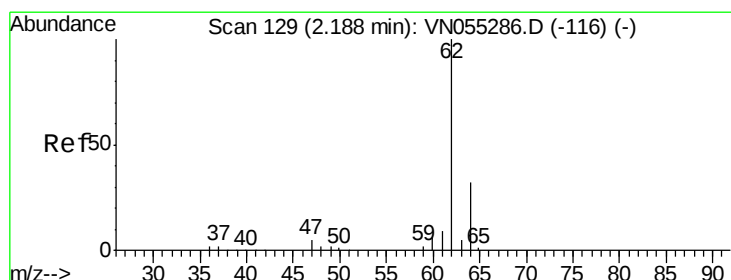
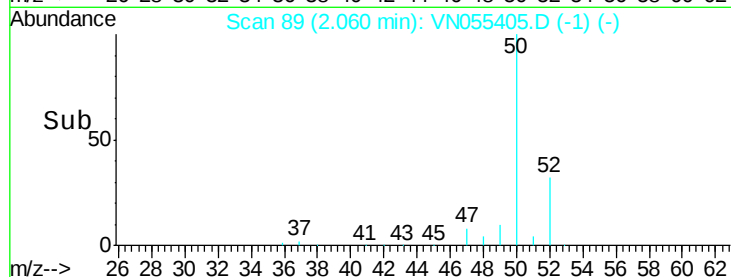
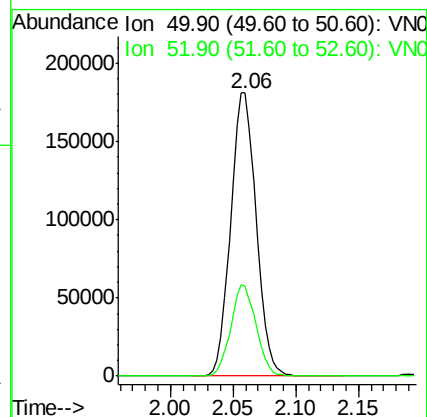
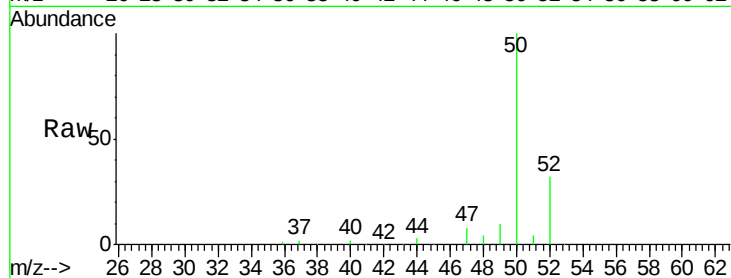
50 100

52 31.7 25.7 38.5

Manual Integrations
APPROVED

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#4

Vinyl Chloride

Concen: 44.820 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055405.D

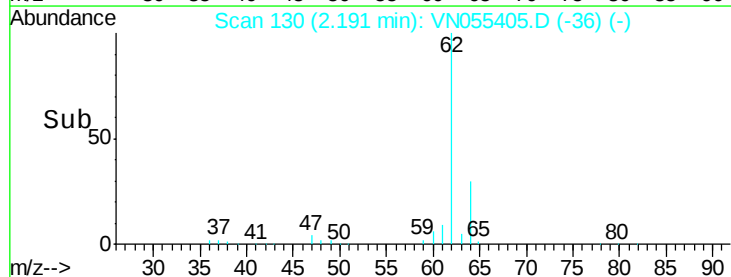
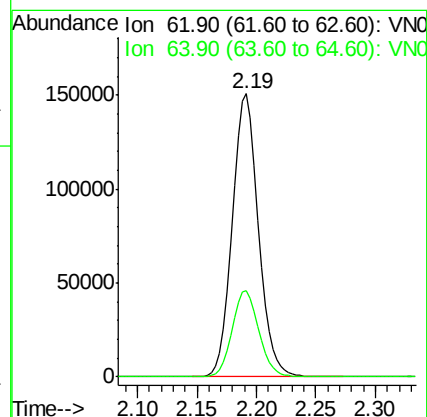
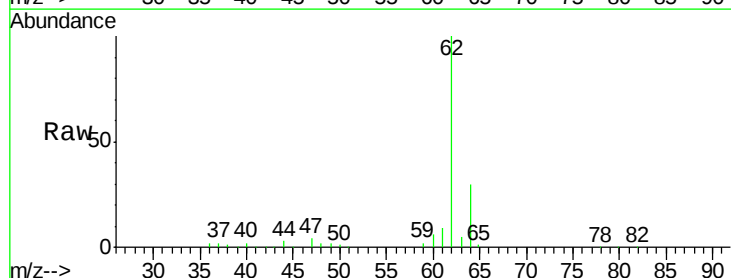
Acq: 6 May 2019 9:23

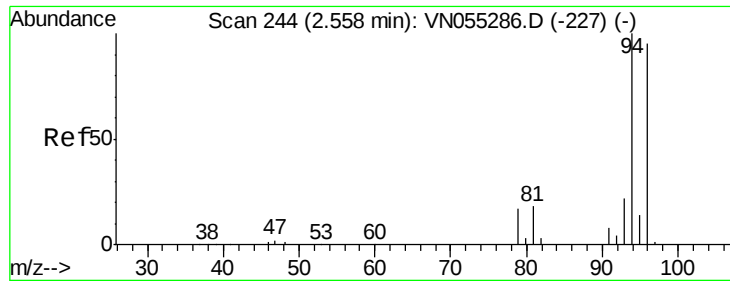
Tgt Ion: 62 Resp: 228919

Ion Ratio Lower Upper

62 100

64 30.3 25.5 38.3





#5

Bromomethane

Concen: 47.185 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 127653

Ion Ratio Lower Upper

94 100

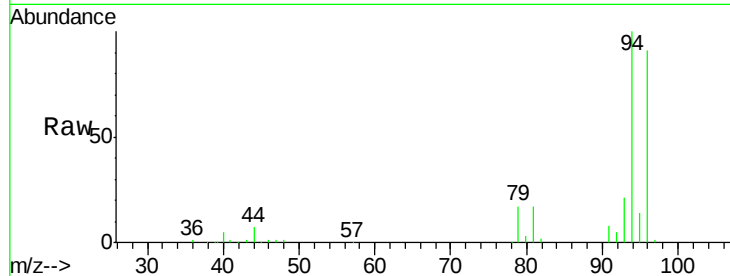
96 90.6 76.0 114.0

Manual Integrations

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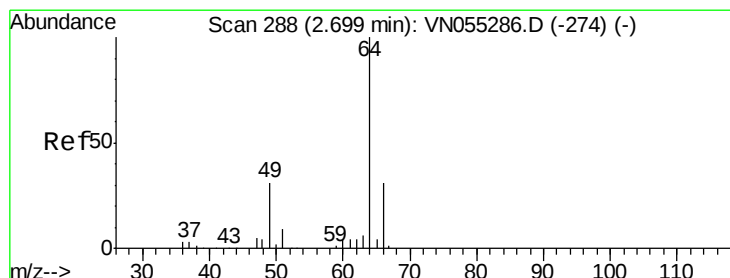
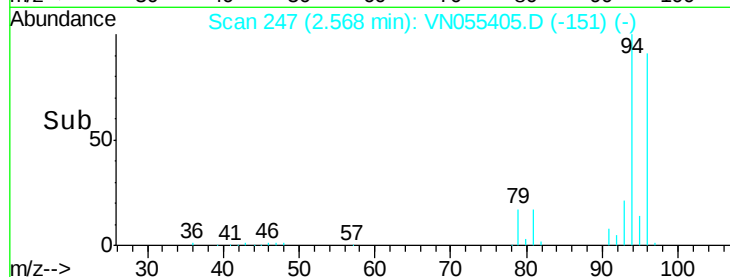
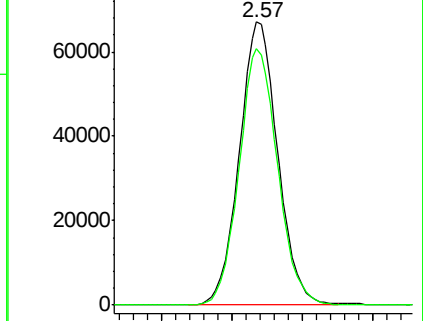
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.154 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN055405.D

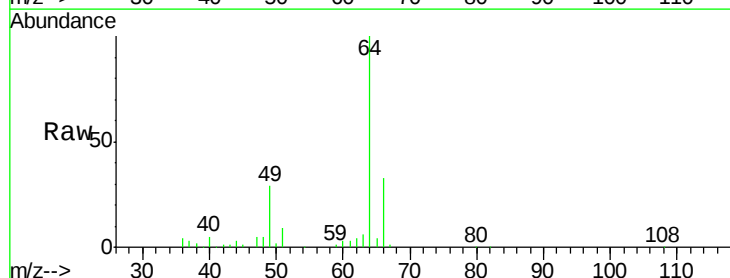
Acq: 6 May 2019 9:23

Tgt Ion: 64 Resp: 130467

Ion Ratio Lower Upper

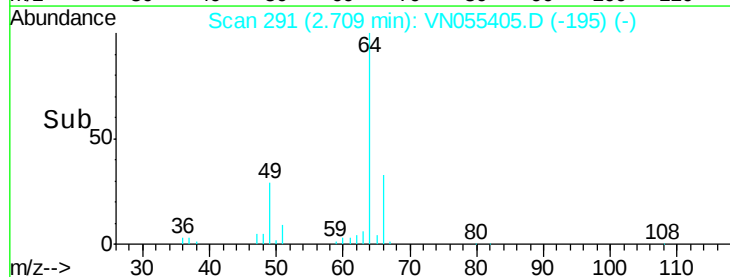
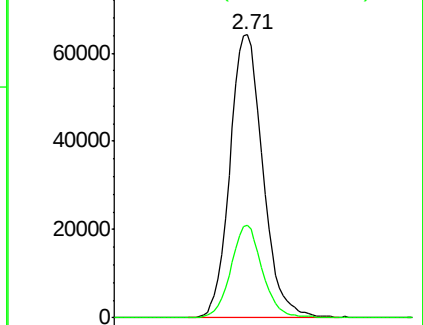
64 100

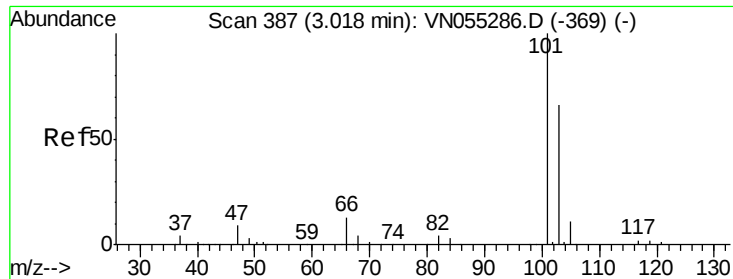
66 32.9 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

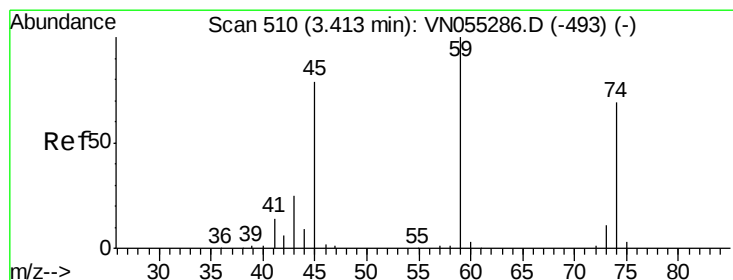
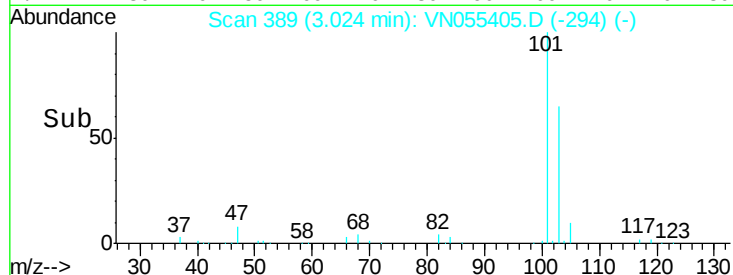
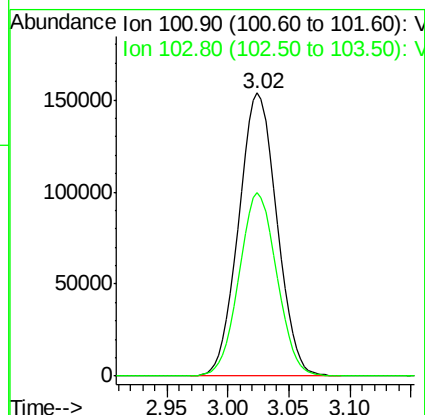
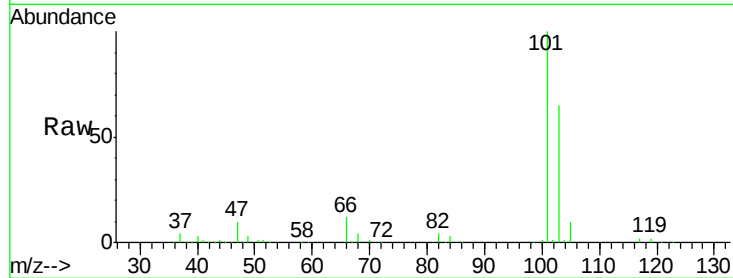
Trichlorofluoromethane
Concen: 45.854 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.01 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

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Tot Ion:101 Resp: 333018
Ion Ratio Lower Upper
101 100
103 64.7 52.6 79.0

Manual Integrations
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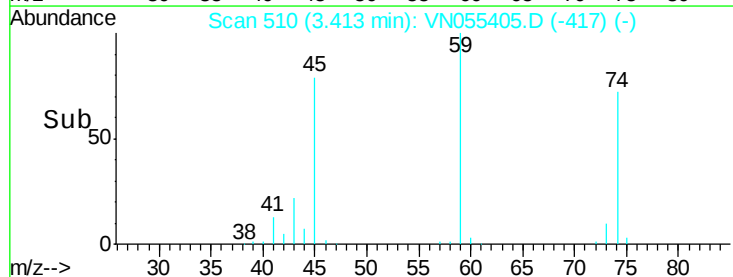
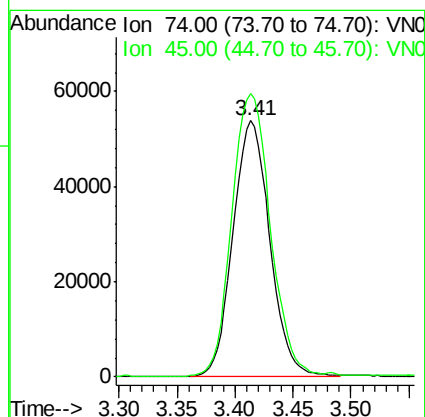
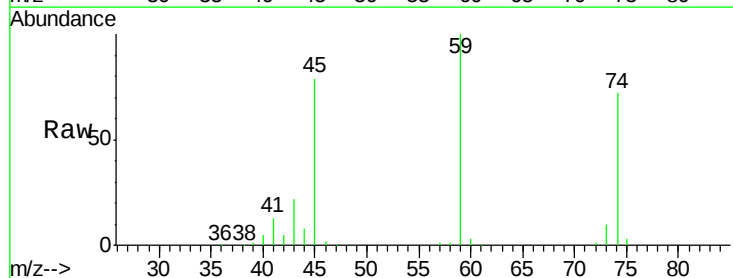
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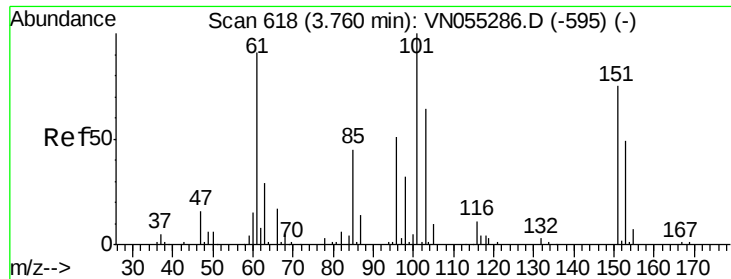


#8

Diethyl Ether
Concen: 46.776 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion: 74 Resp: 118854
Ion Ratio Lower Upper
74 100
45 116.2 58.9 176.6





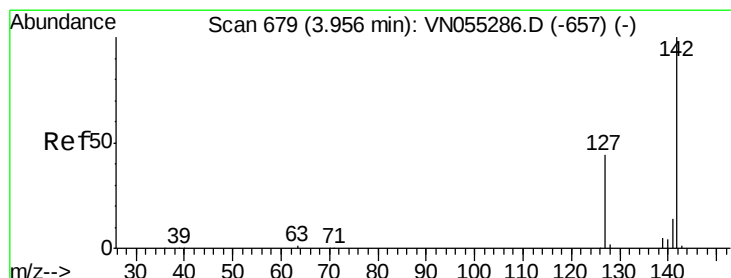
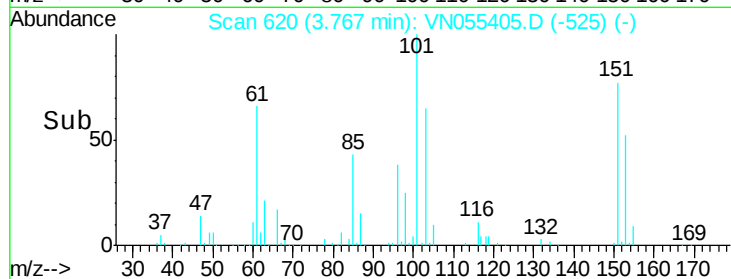
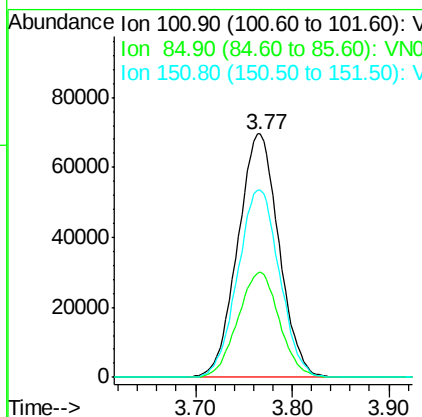
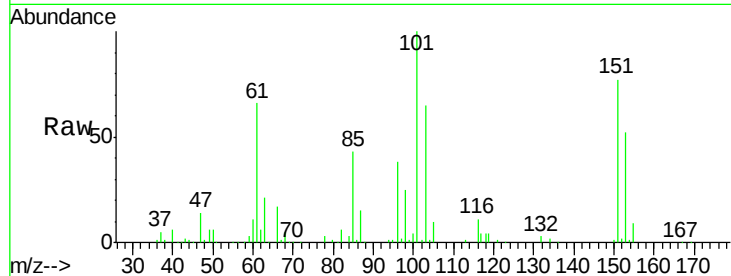
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.481 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	205343		
85	43.7	35.7	53.5	
151	78.4	63.3	94.9	

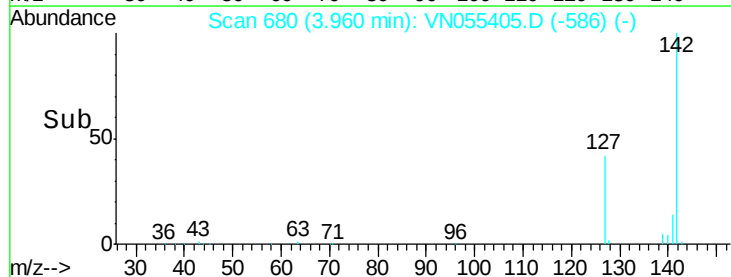
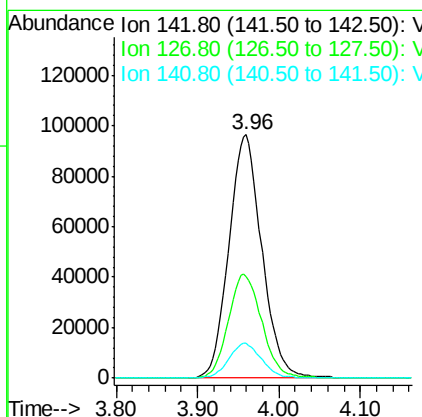
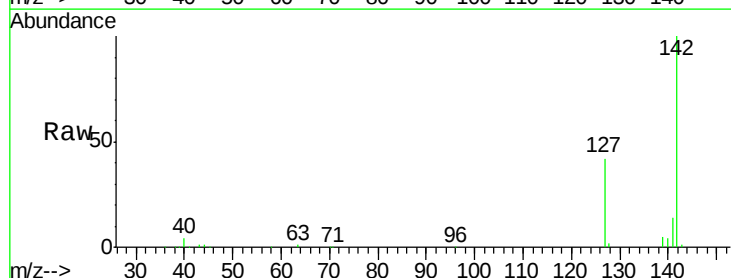
Manual Integrations
 APPROVED

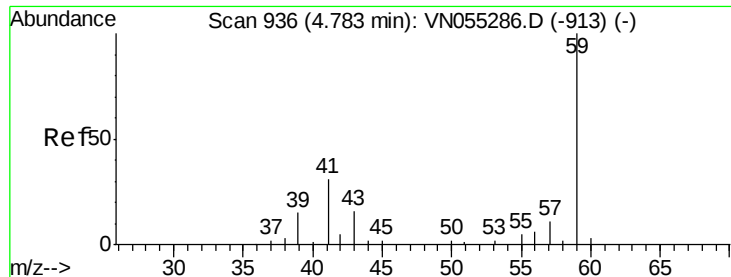
MMDadoda
 5/7/2019 1:25:13 PM



#10
 Methyl Iodide
 Concen: 44.627 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	271616		
127	43.2	34.4	51.6	
141	14.3	11.5	17.3	





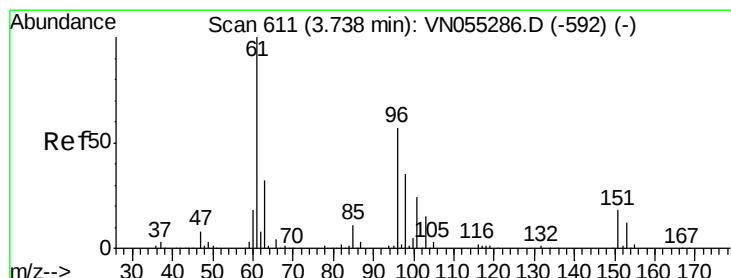
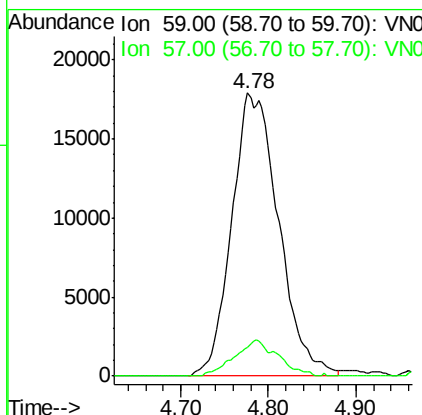
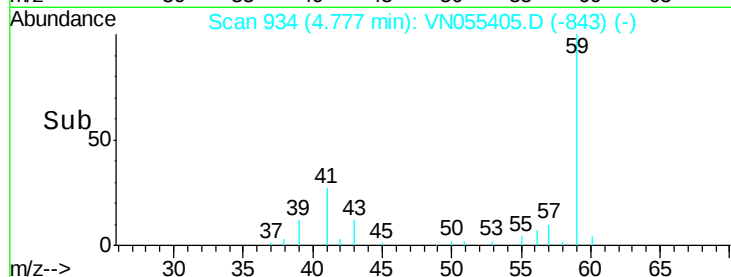
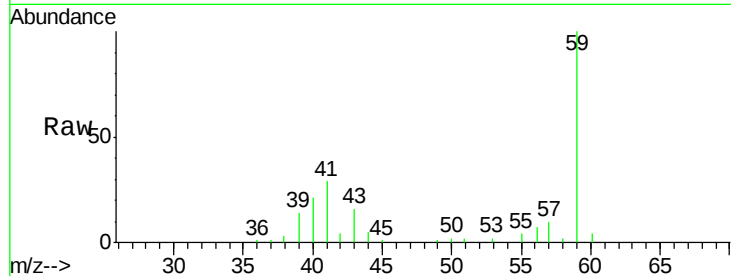
#11
Tert butyl alcohol
Concen: 212.674 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.2	12.2

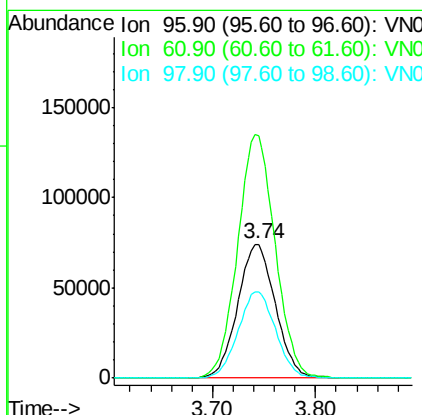
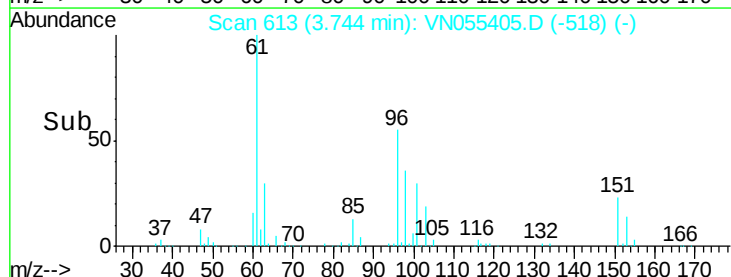
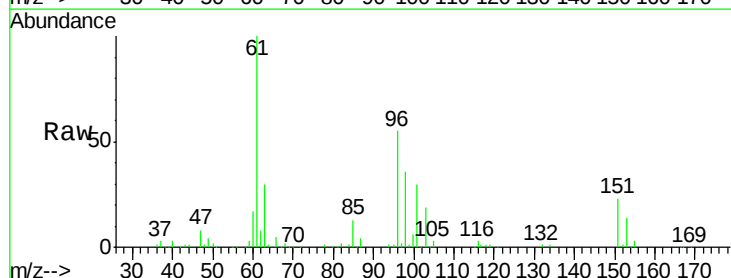
Manual Integrations
APPROVED

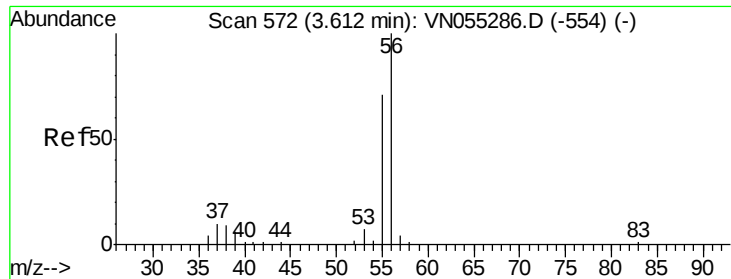
MMDadoda
5/7/2019 1:25:13 PM



#12
1,1-Dichloroethene
Concen: 45.631 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.5	140.9	211.3
98	64.4	50.0	75.0





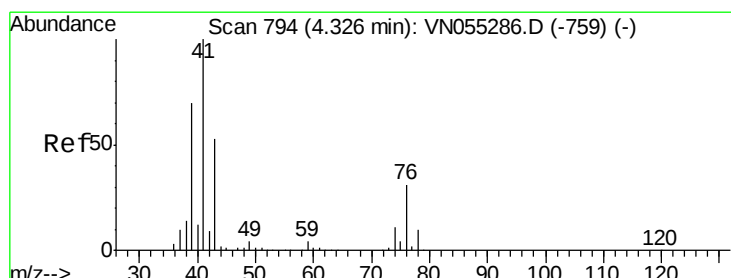
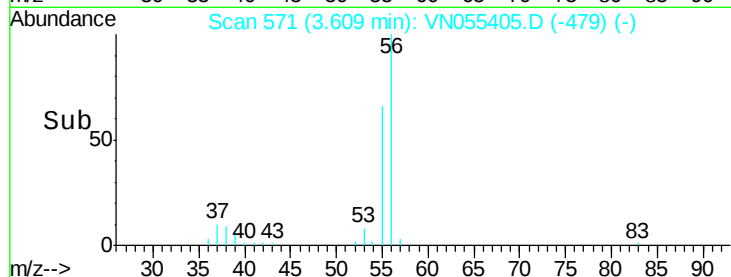
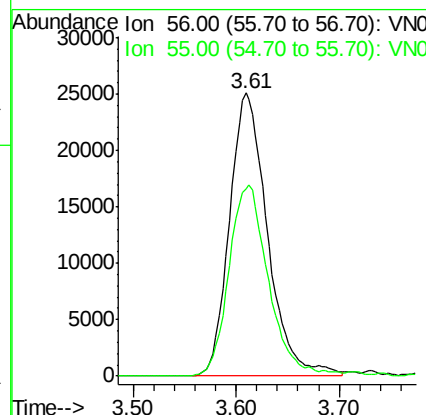
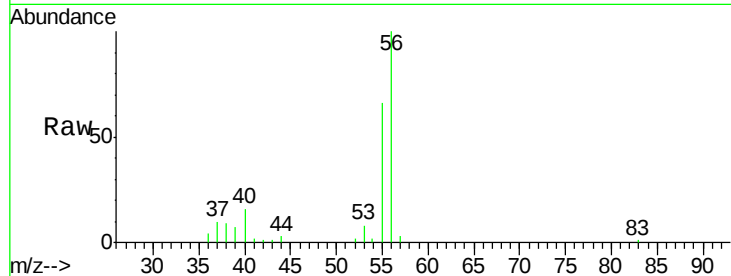
#13
Acrolein
Concen: 263.133 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.2	57.4	86.2	

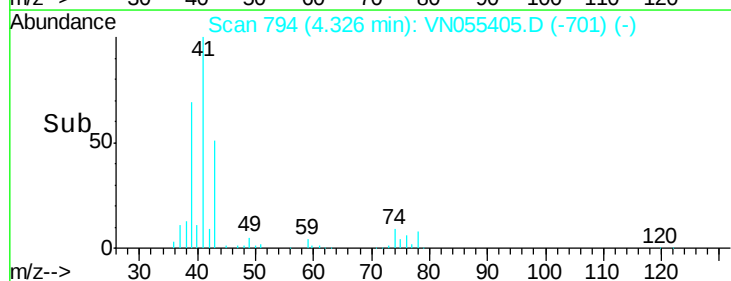
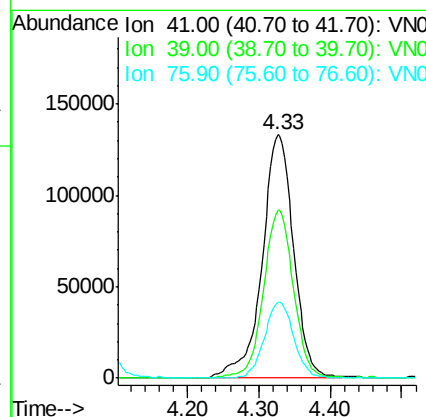
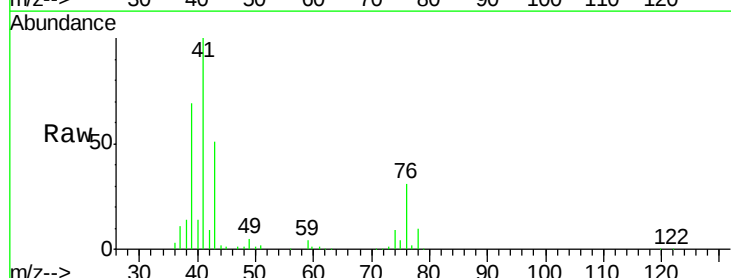
Manual Integrations
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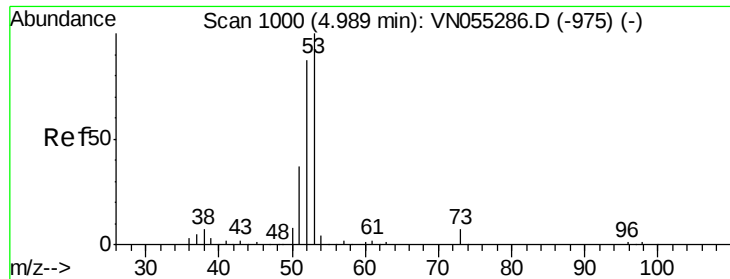
MMDadoda
5/7/2019 1:25:13 PM



#14
Allyl chloride
Concen: 47.670 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.5	53.0	79.6	
76	28.6	22.7	34.1	





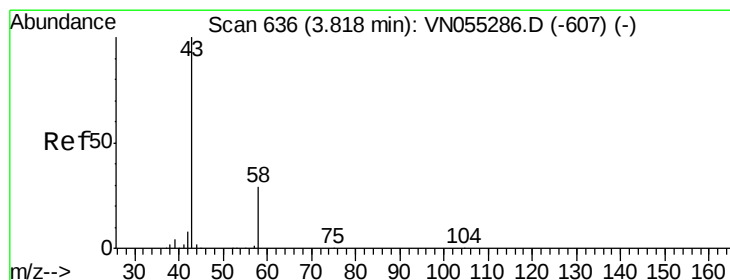
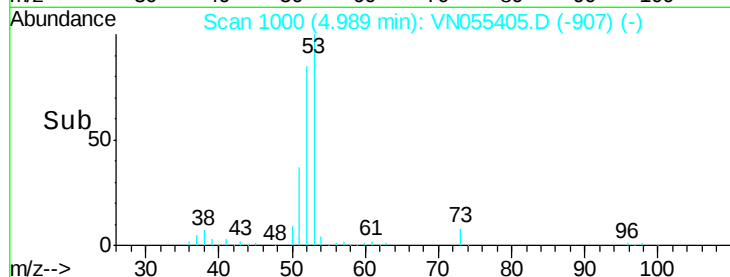
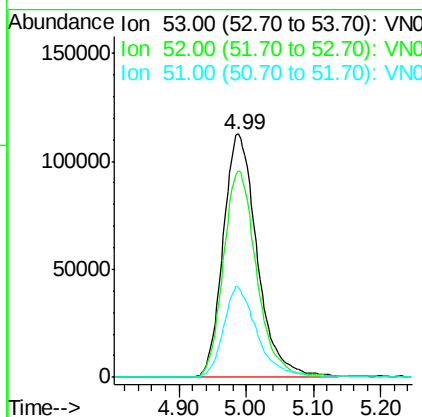
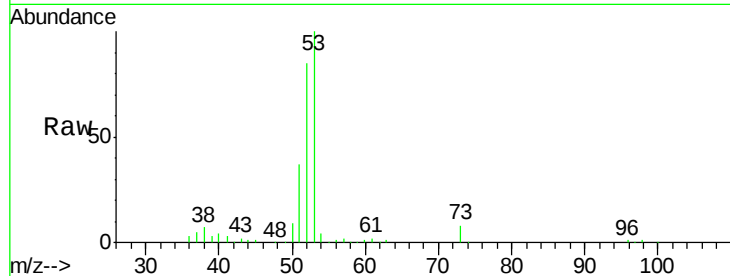
#15
 Acrylonitrile
 Concen: 225.038 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	53	Resp:	395679
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.5	99.7
51	36.7	29.6	44.4

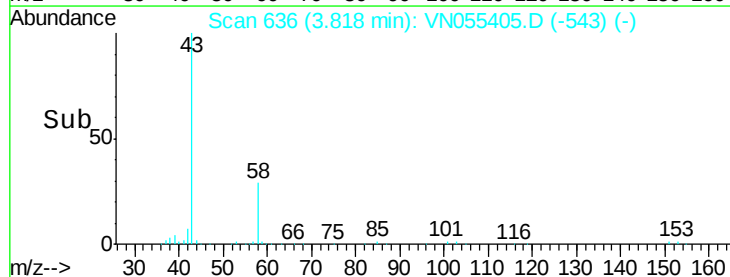
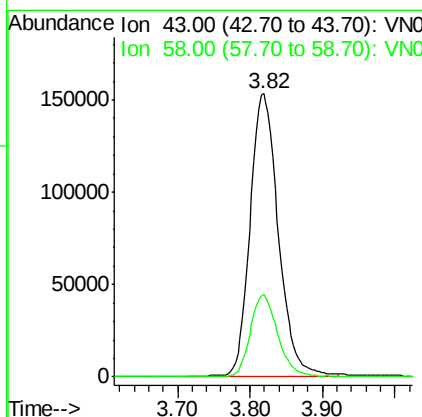
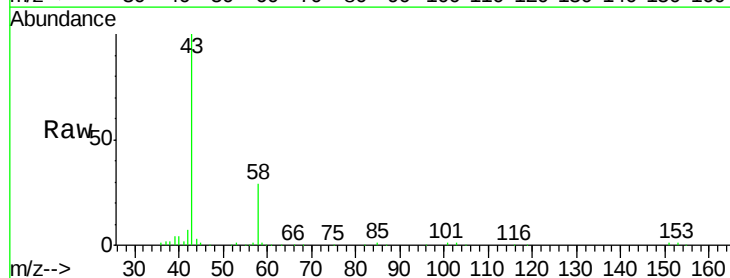
Manual Integrations
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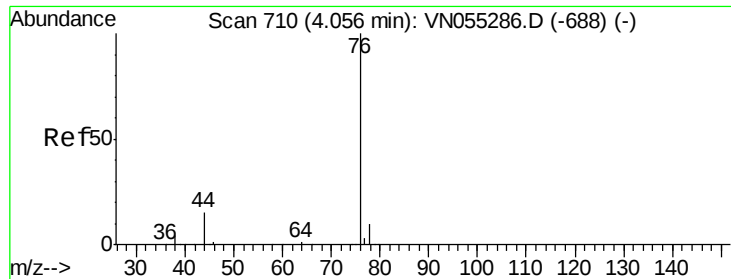
MMDadoda
 5/7/2019 1:25:13 PM



#16
 Acetone
 Concen: 244.907 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Tgt Ion:	43	Resp:	416933
Ion Ratio	Lower	Upper	
43	100		
58	29.2	23.6	35.4





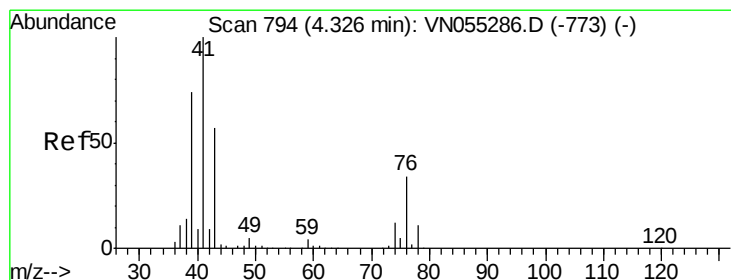
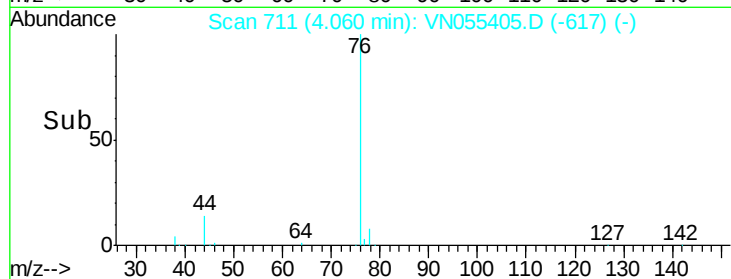
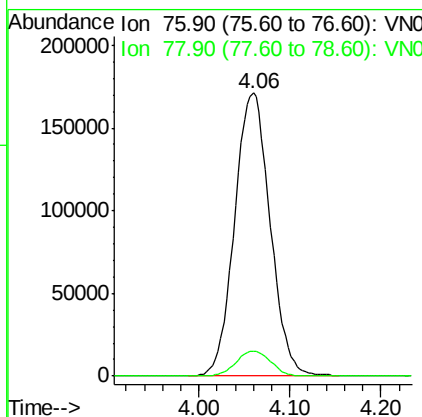
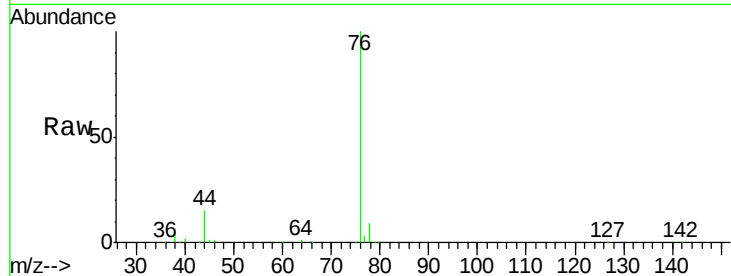
#17
Carbon Disulfide
Concen: 43.113 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4

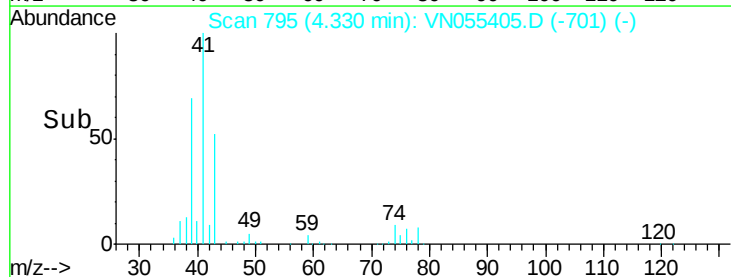
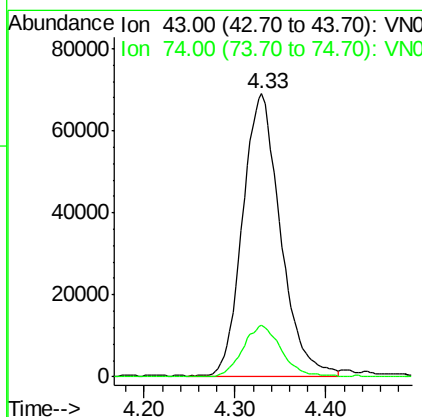
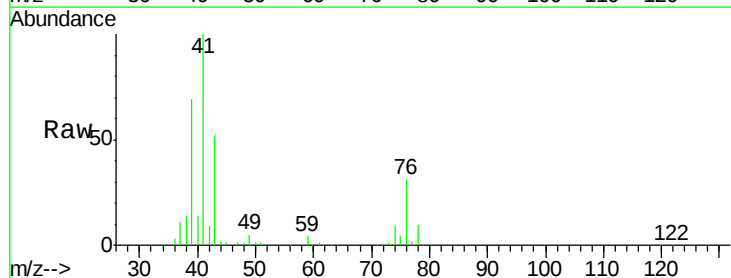
Manual Integrations
APPROVED

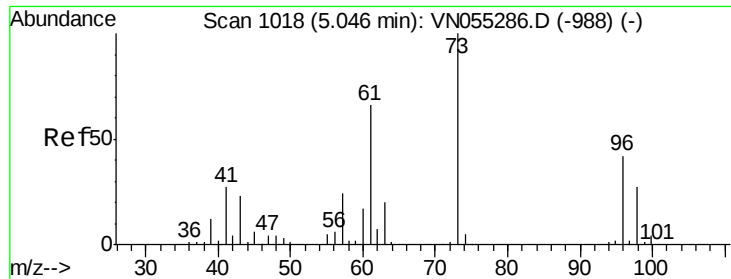
MMDadoda
5/7/2019 1:25:13 PM



#18
Methyl Acetate
Concen: 47.784 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.5	15.8	23.8





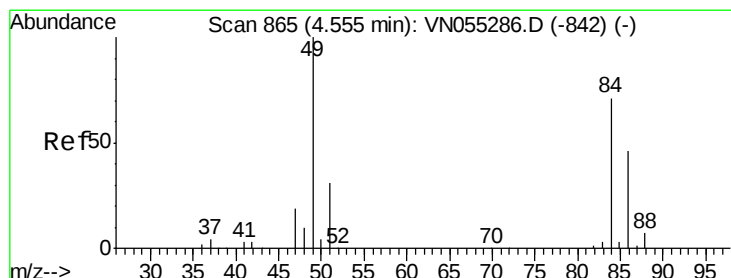
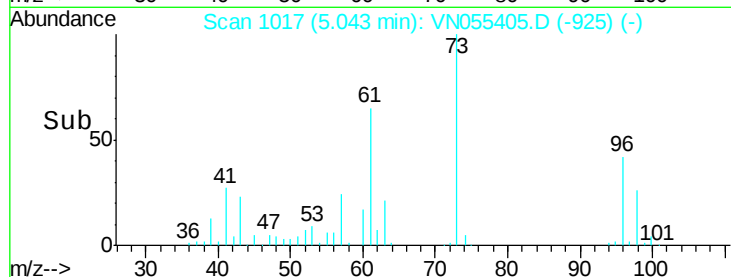
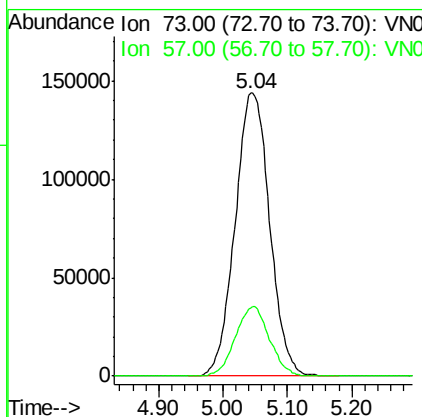
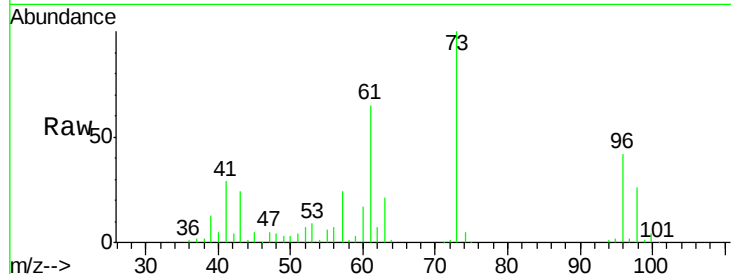
#19
Methvl tert-butvl Ether
Concen: 46.344 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 537497
Ion Ratio Lower Upper
73 100
57 24.3 19.1 28.7

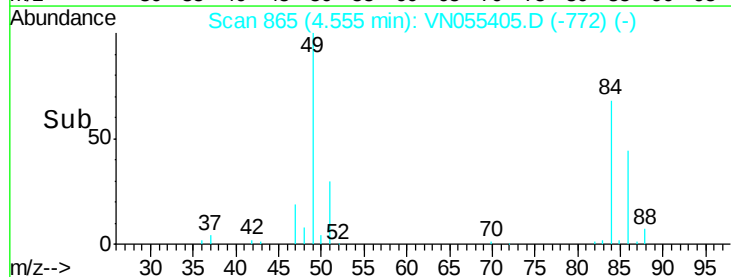
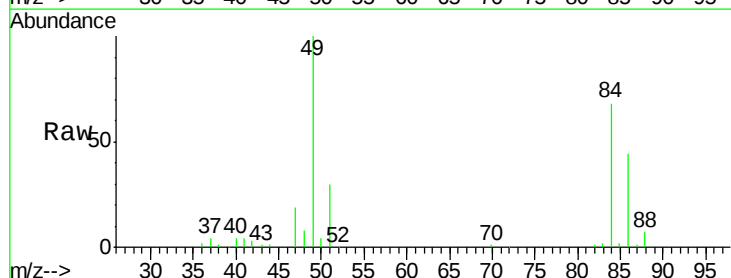
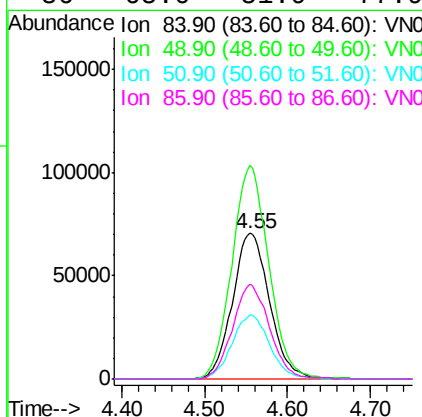
Manual Integrations
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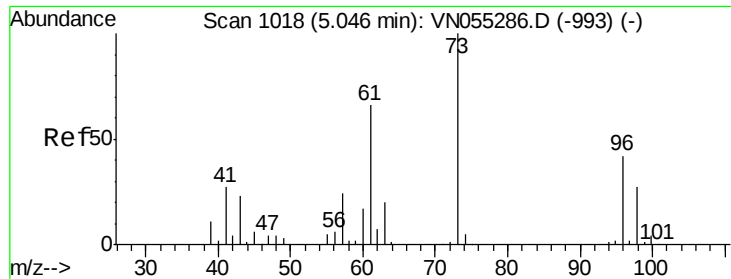
MMDadoda
5/7/2019 1:25:13 PM



#20
Methylene Chloride
Concen: 42.344 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion: 84 Resp: 220033
Ion Ratio Lower Upper
84 100
49 146.4 112.4 168.6
51 44.0 34.6 51.8
86 65.0 51.9 77.9





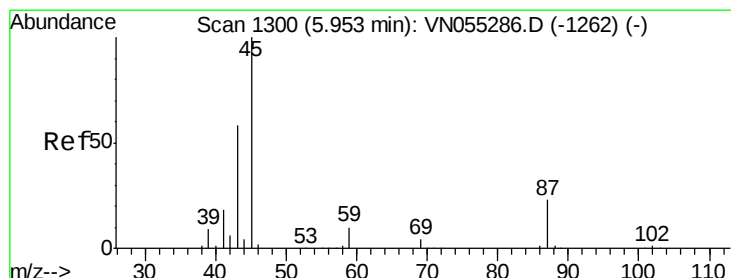
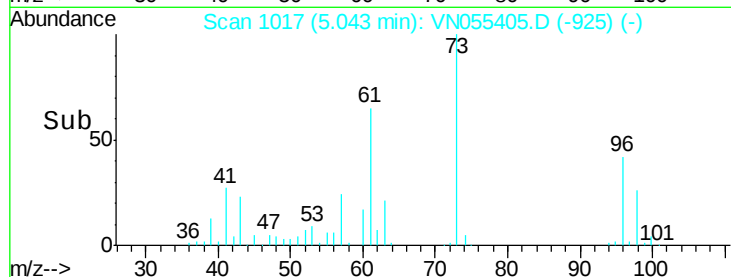
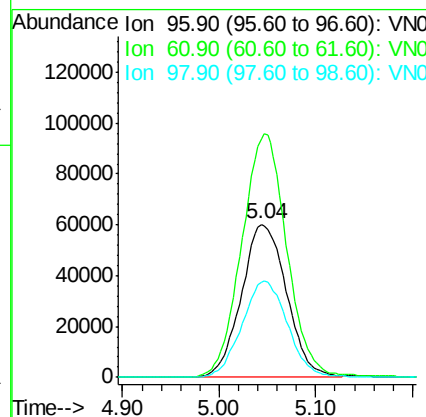
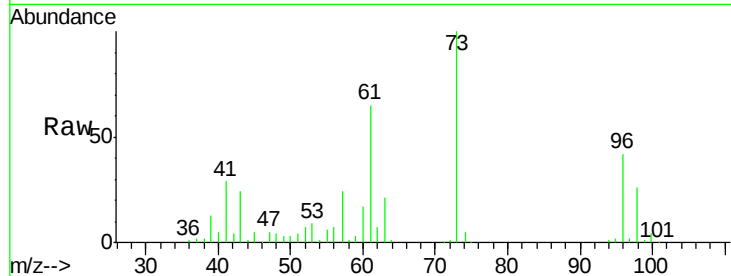
#21
trans-1,2-Dichloroethene
Concen: 44.723 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.9	126.2	189.4
98	62.6	52.2	78.2

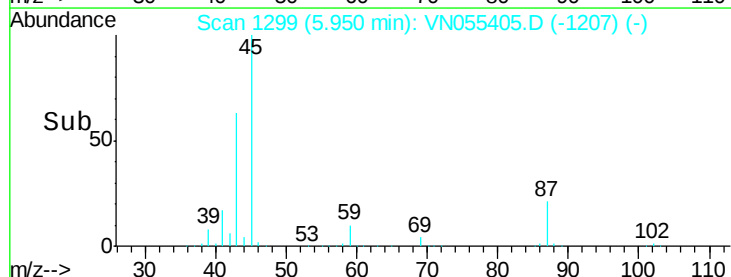
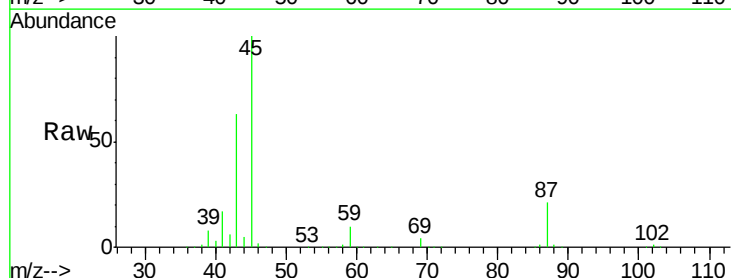
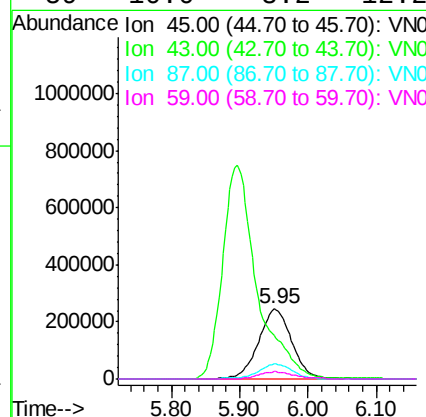
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#22
Diisopropyl ether
Concen: 49.035 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.4	46.6	70.0
87	21.0	18.1	27.1
59	10.0	8.2	12.2





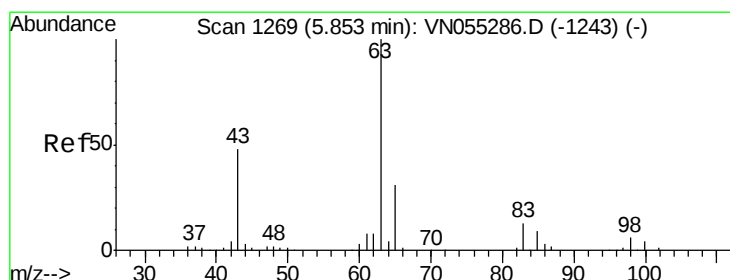
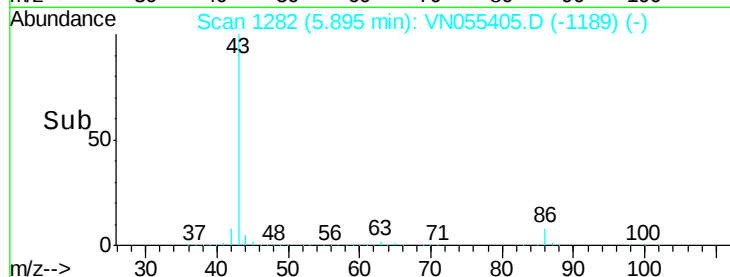
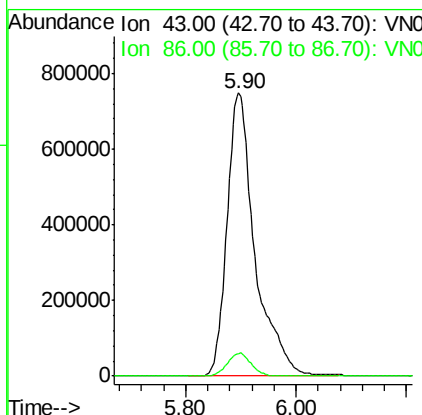
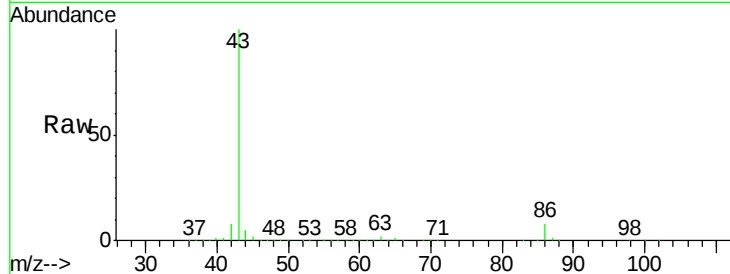
#23
 Vinyl Acetate
 Concen: 236.565 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2632206
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.6 10.0

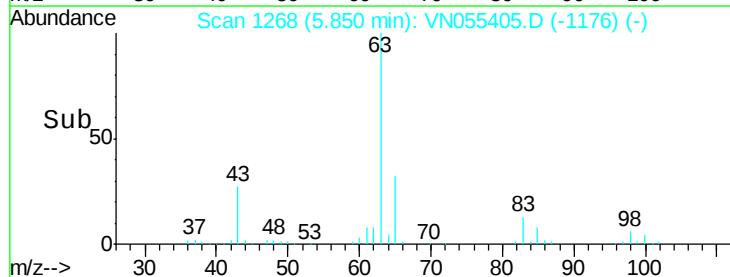
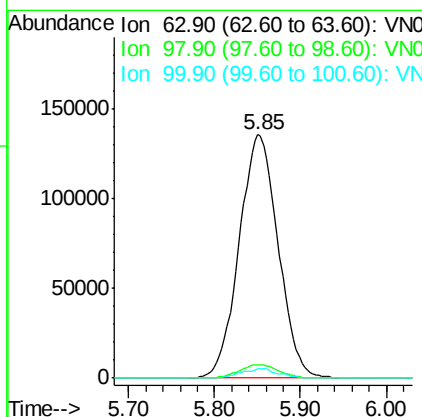
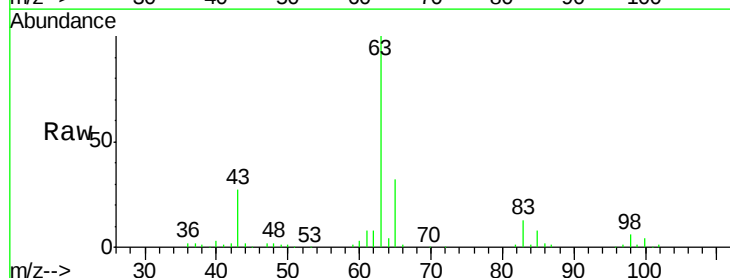
Manual Integrations
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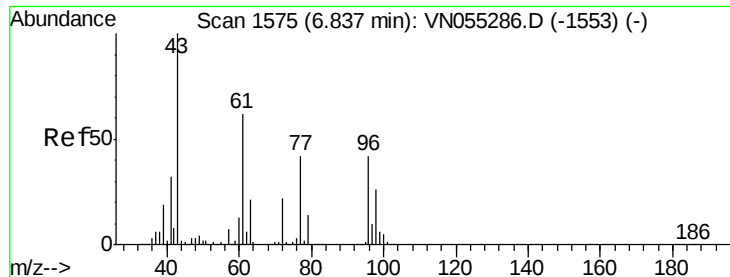
MMDadoda
 5/7/2019 1:25:13 PM



#24
 1,1-Dichloroethane
 Concen: 47.195 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Tgt Ion: 63 Resp: 426904
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.0 9.0
 100 3.6 1.8 5.4





#25

2-Butanone

Concen: 233.201 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 507717

Ion Ratio Lower Upper

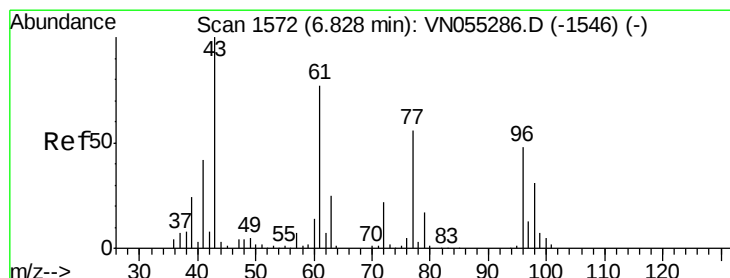
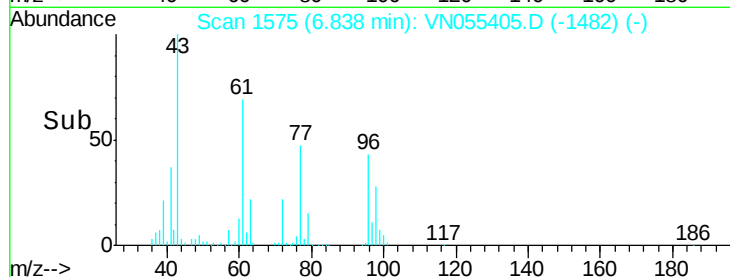
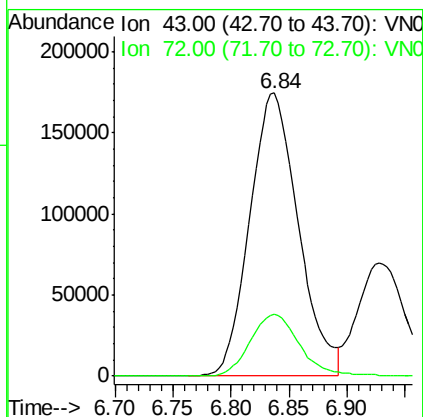
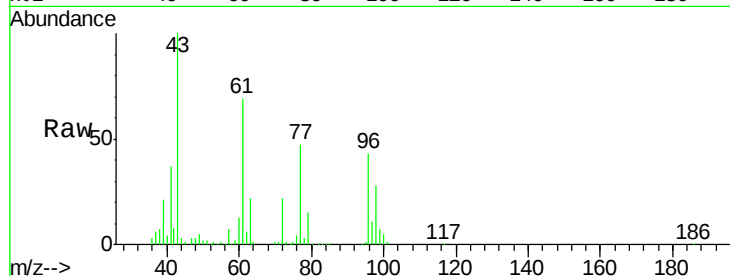
43 100

72 21.8 18.0 27.0

Manual Integrations
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MMDadoda

5/7/2019 1:25:13 PM



#26

2,2-Dichloropropane

Concen: 49.629 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055405.D

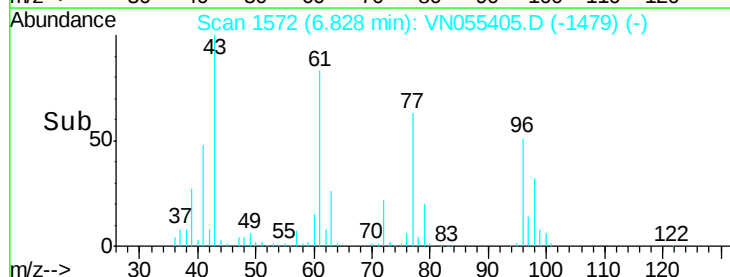
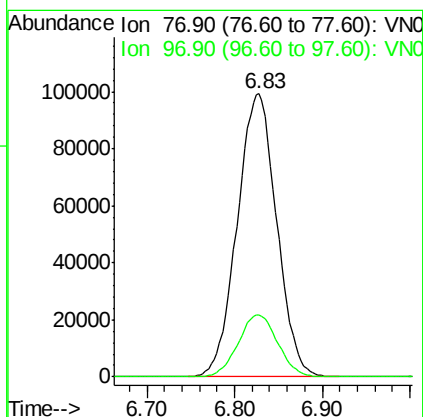
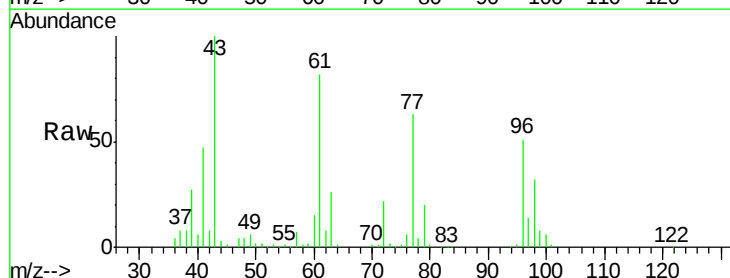
Acq: 6 May 2019 9:23

Tgt Ion: 77 Resp: 309998

Ion Ratio Lower Upper

77 100

97 22.0 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 47.488 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055405.D

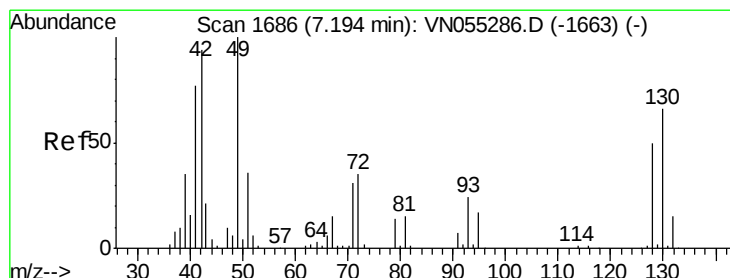
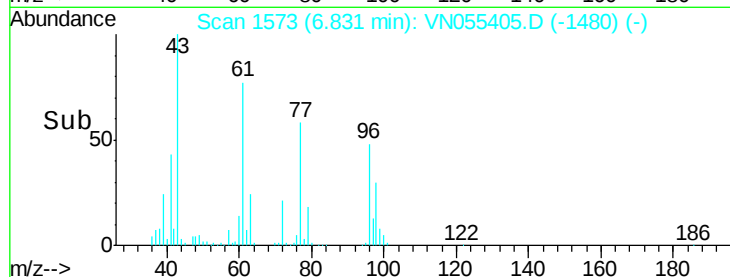
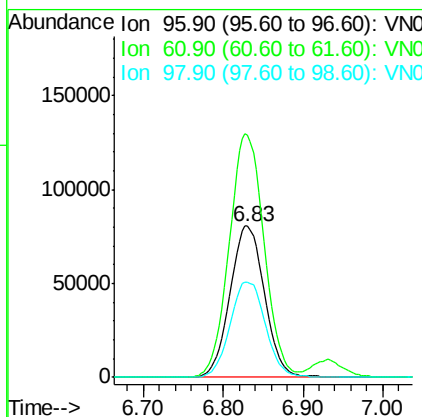
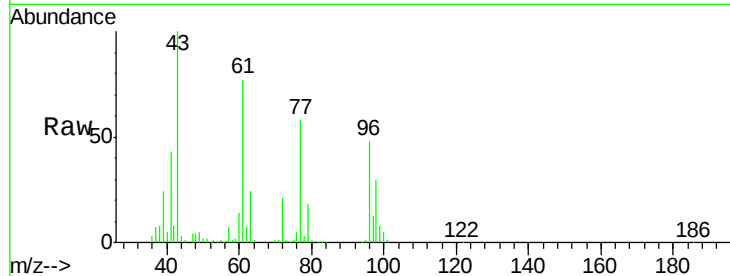
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	235954		
61	162.0	0.0	316.2	
98	64.4	0.0	126.6	

Manual Integrations
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#28

Bromochloromethane

Concen: 46.811 ug/l

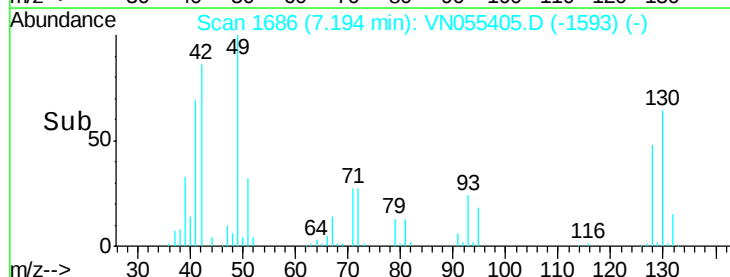
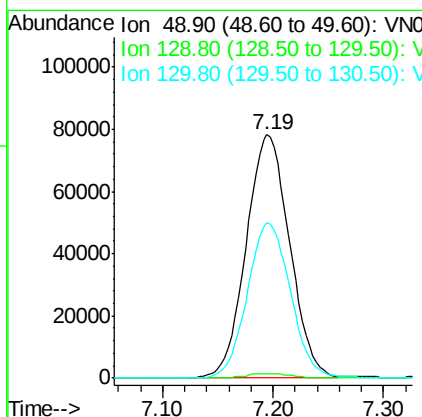
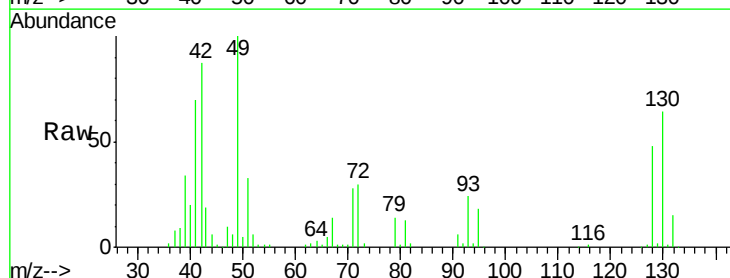
RT: 7.19 min Scan# 1686

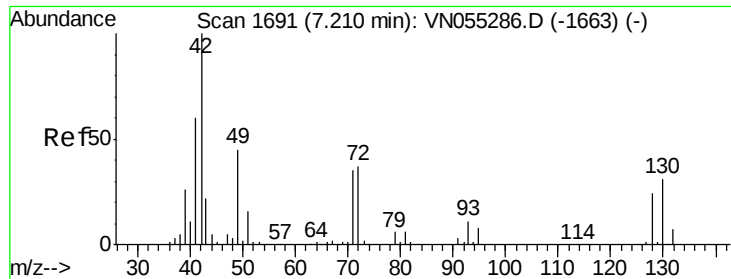
Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	213437		
129	1.8	0.0	2.4	
130	63.5	52.0	78.0	





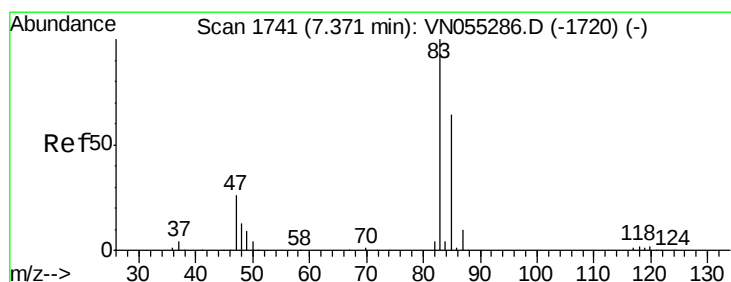
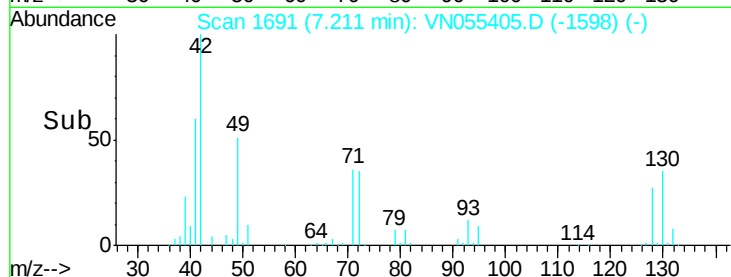
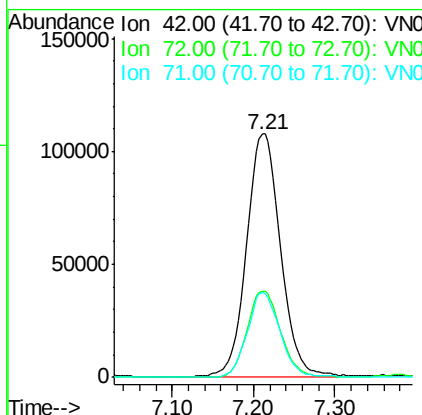
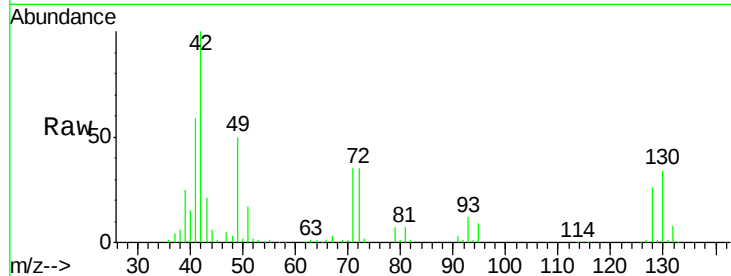
#29
Tetrahydrofuran
Concen: 220.938 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	34.8	29.0	43.6	
71	33.7	27.1	40.7	

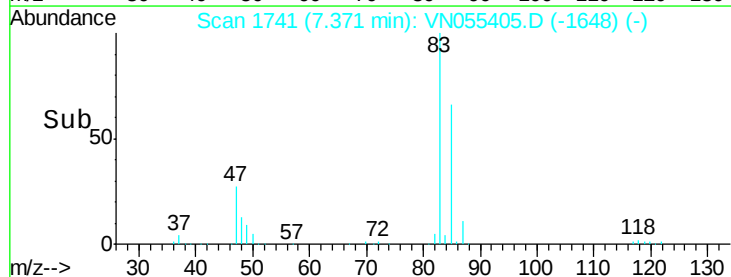
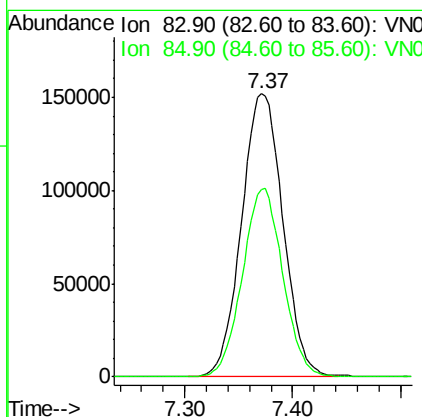
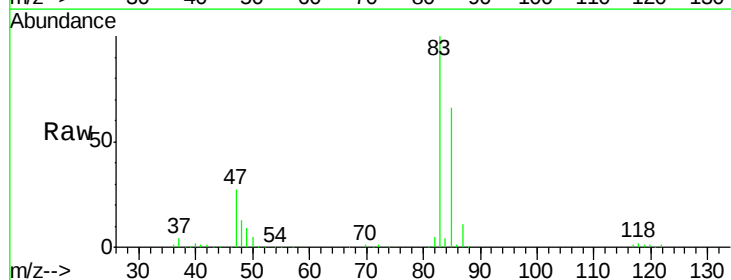
Manual Integrations
APPROVED

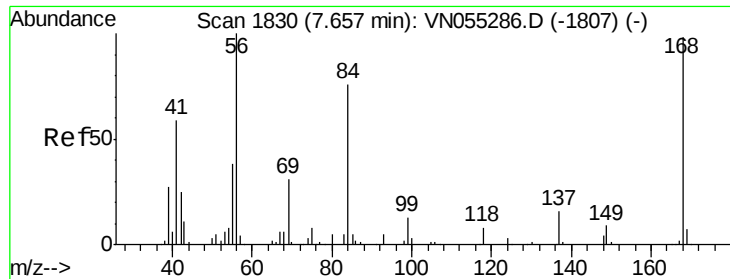
MMDadoda
5/7/2019 1:25:13 PM



#30
Chloroform
Concen: 47.268 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	66.4	51.4	77.2	





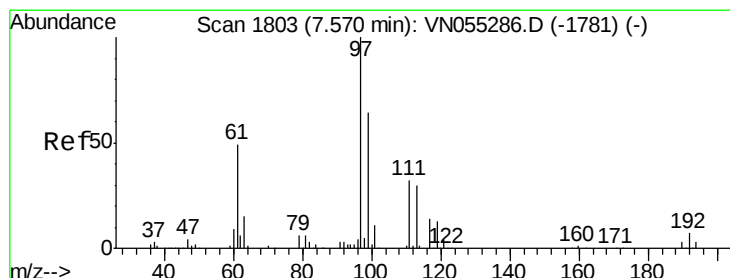
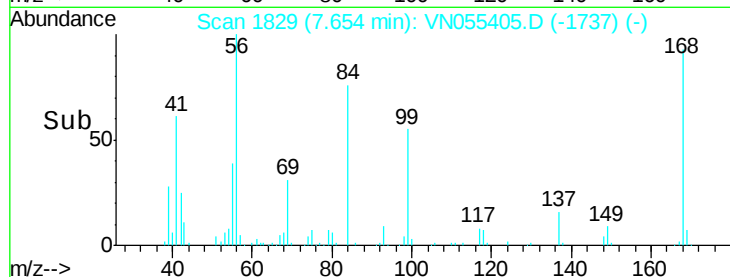
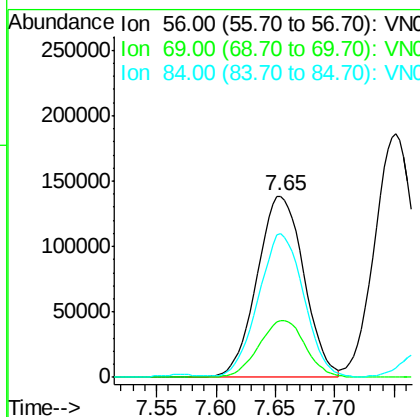
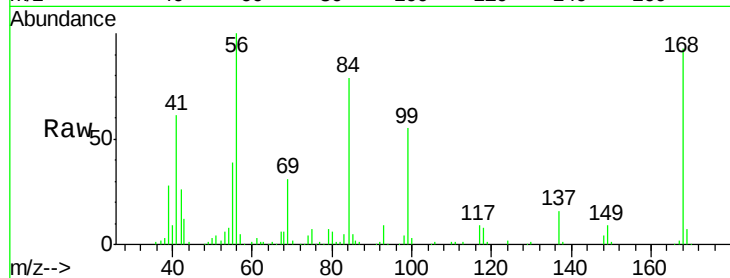
#31
Cyclohexane
Concen: 43.945 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.2	37.8
84	78.0	61.1	91.7

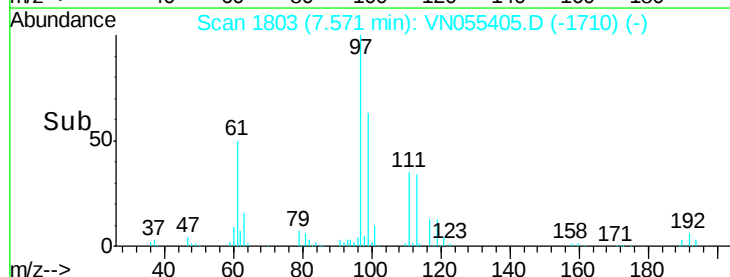
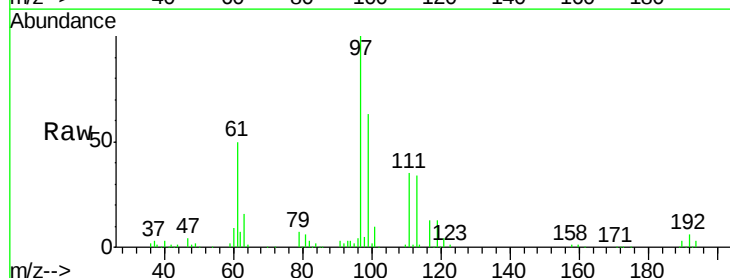
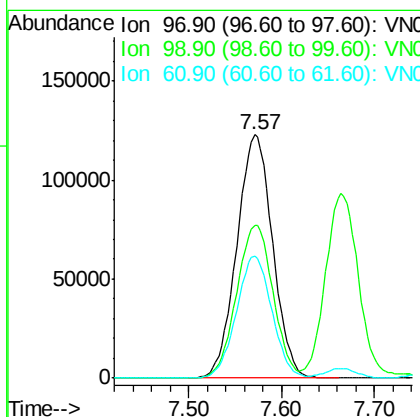
Manual Integrations
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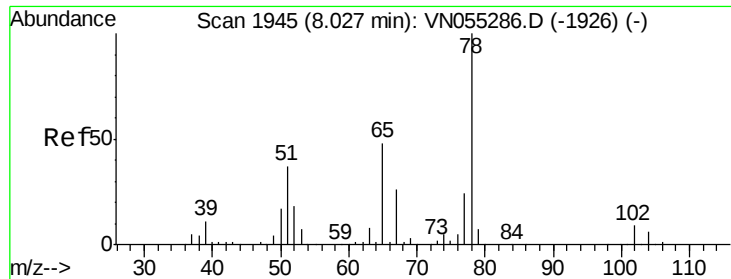
MMDadoda
5/7/2019 1:25:13 PM



#32
1,1,1-Trichloroethane
Concen: 47.298 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.8
61	49.6	39.0	58.6





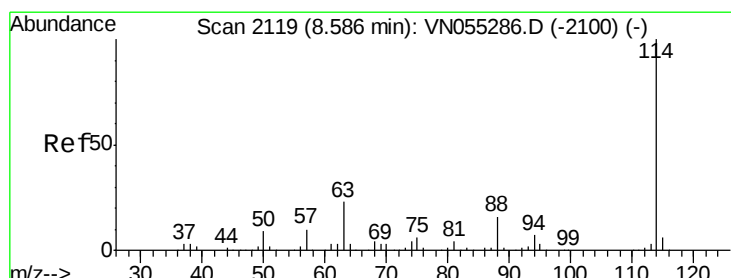
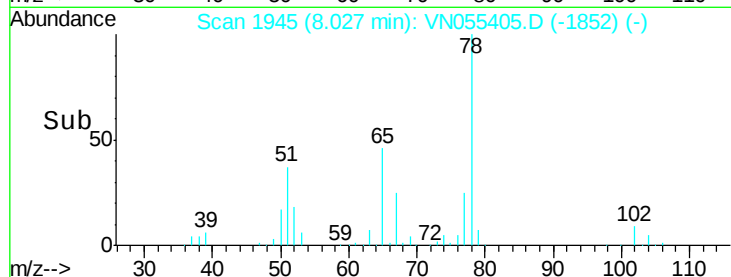
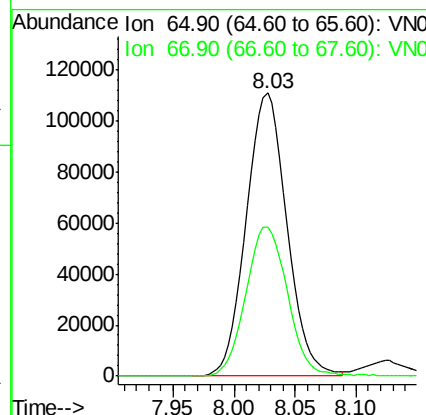
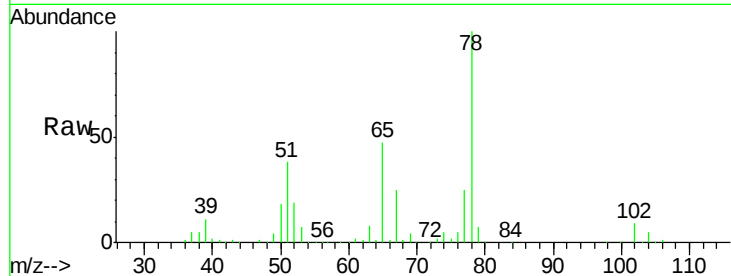
#33
 1,2-Dichloroethane-d4
 Concen: 46.857 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	256012		
67	53.9	0.0	106.8	

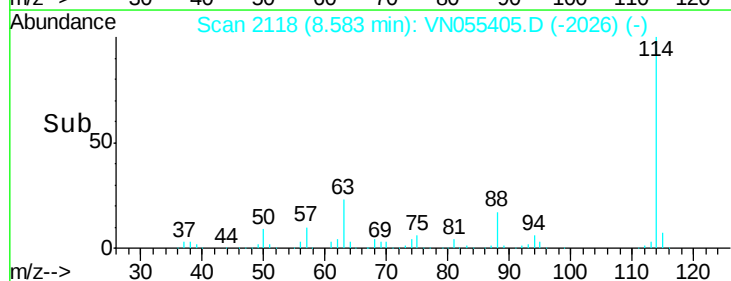
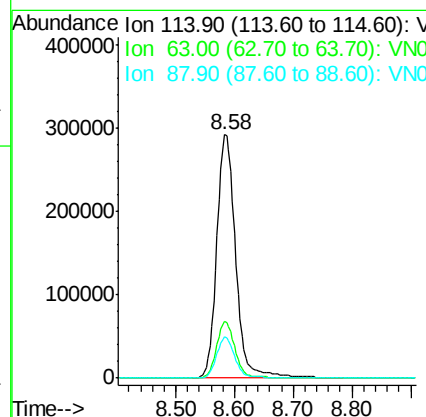
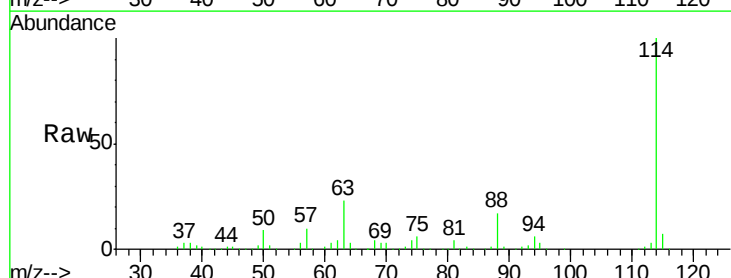
Manual Integrations
 APPROVED

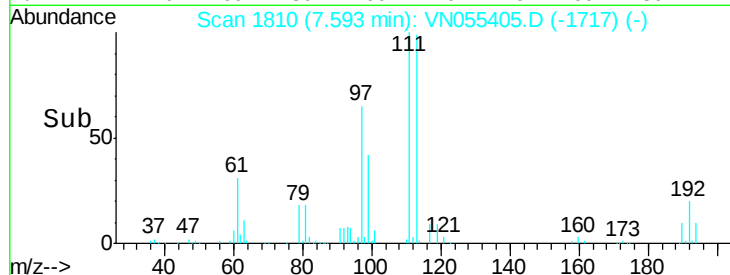
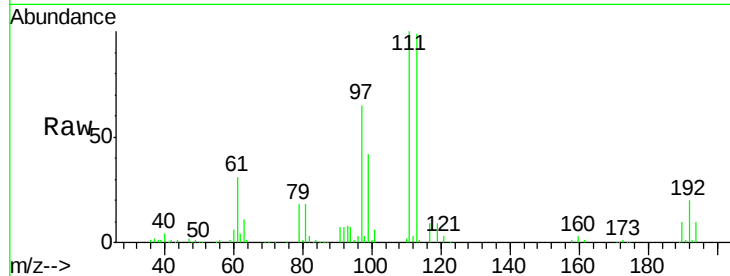
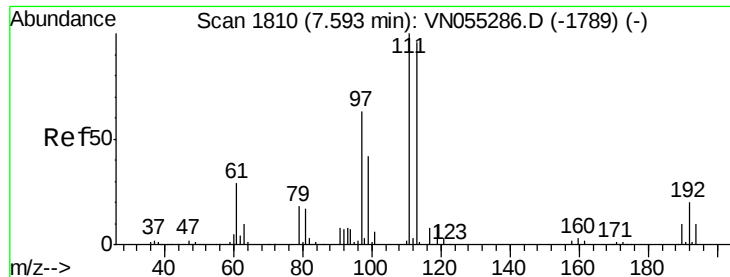
MMDadoda
 5/7/2019 1:25:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	656929		
63	23.2	0.0	45.2	
88	17.0	0.0	31.6	





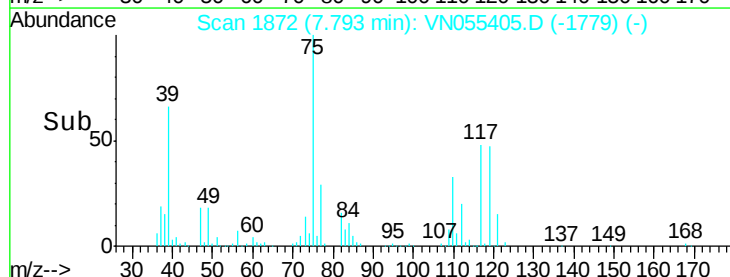
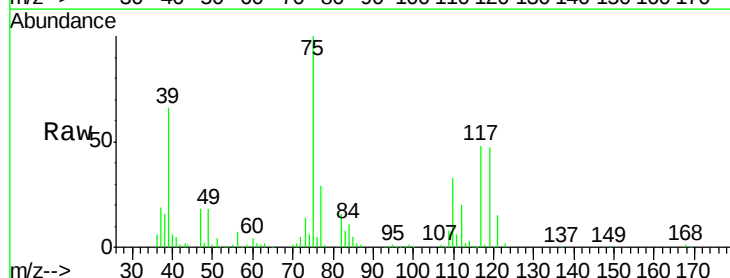
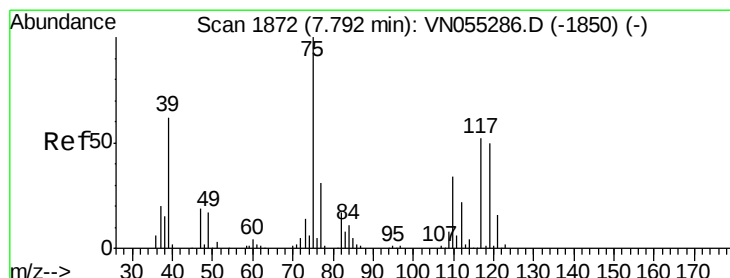
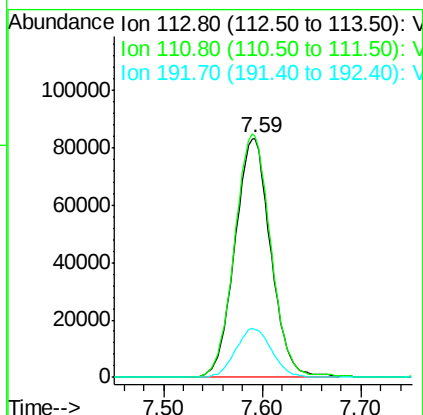
#35
Dibromofluoromethane
Concen: 48.628 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tot Ion	Ratio	Resp	Lower	Upper
113	100	209676		
111	102.4		82.3	123.5
192	20.5		17.0	25.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

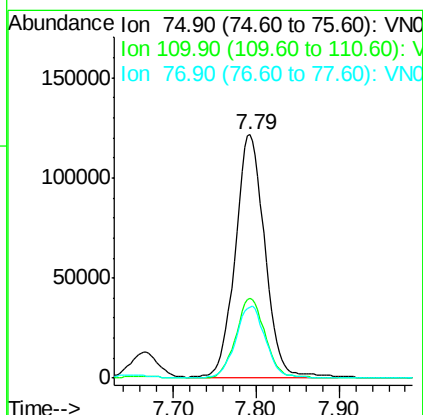
Manual Integrations
APPROVED

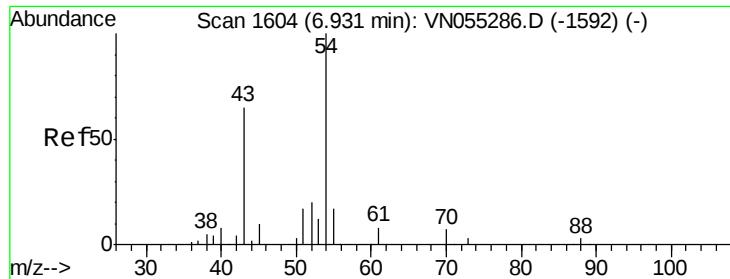
MMDadoda
5/7/2019 1:25:13 PM



#36
1,1-Dichloropropene
Concen: 47.639 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	299762		
110	32.9		16.8	50.4
77	30.4		25.0	37.6





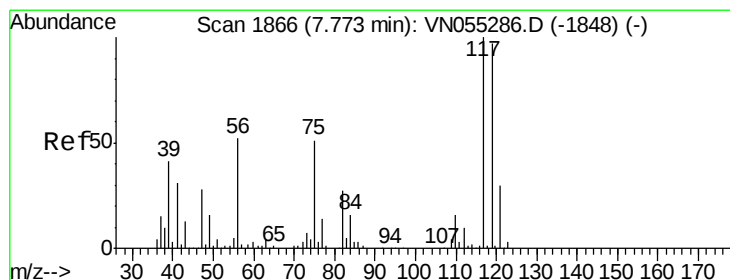
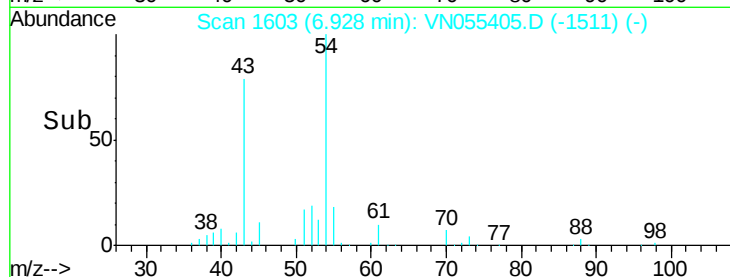
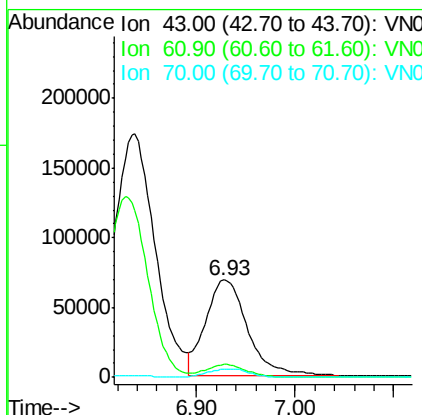
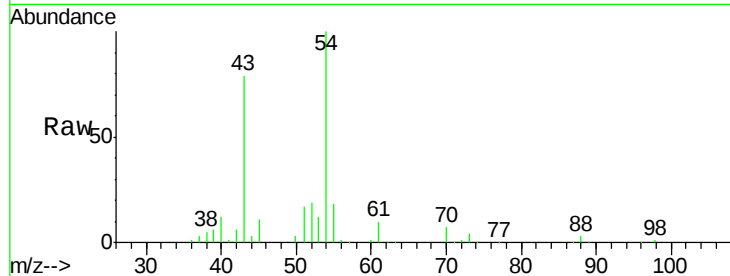
#37
Ethyl Acetate
Concen: 42.247 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.4	15.6
70	8.8	6.6	10.0

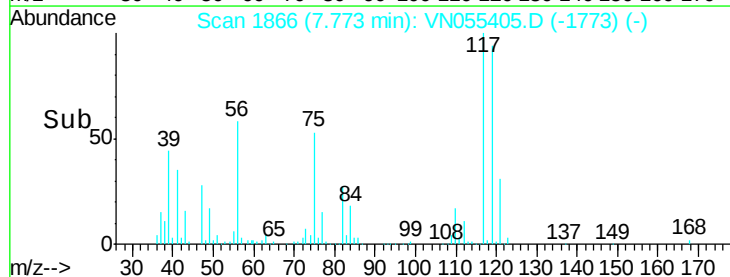
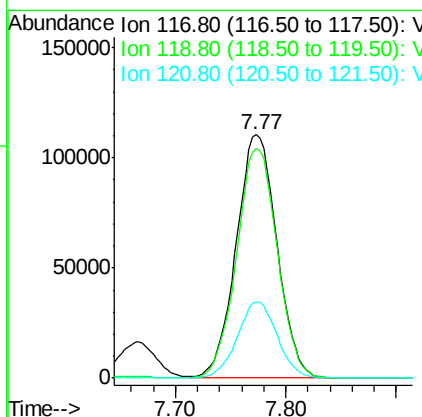
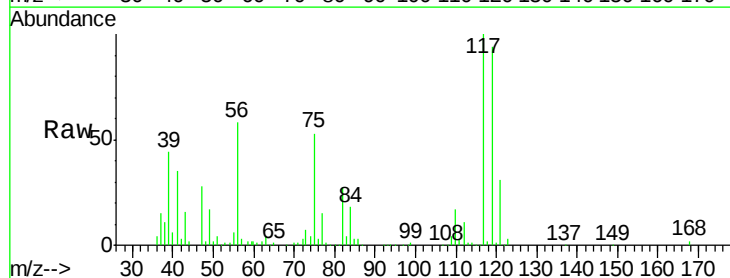
Manual Integrations
APPROVED

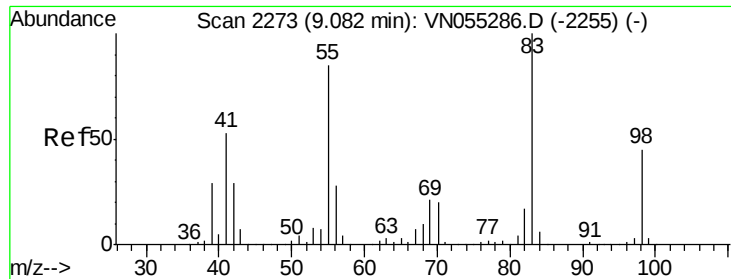
MMDadoda
5/7/2019 1:25:13 PM



#38
Carbon Tetrachloride
Concen: 46.436 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.0	115.6
121	31.4	23.8	35.8





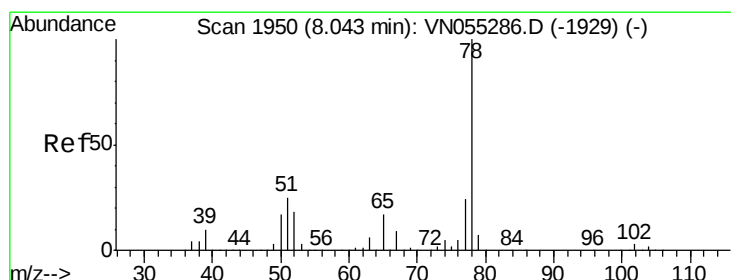
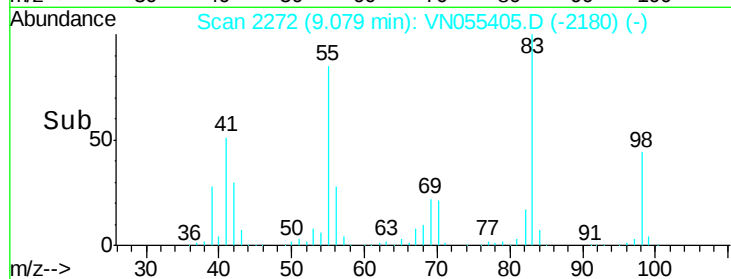
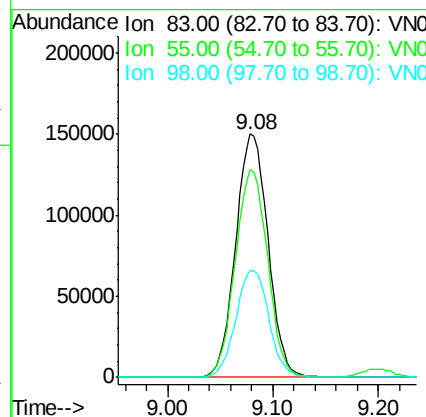
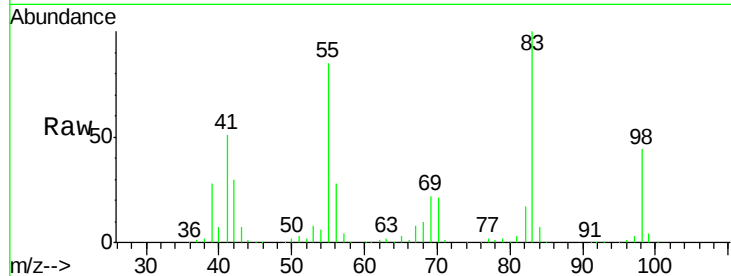
#39
Methvlcvclohexane
Concen: 47.929 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.1	67.8	101.6
98	43.7	36.2	54.4

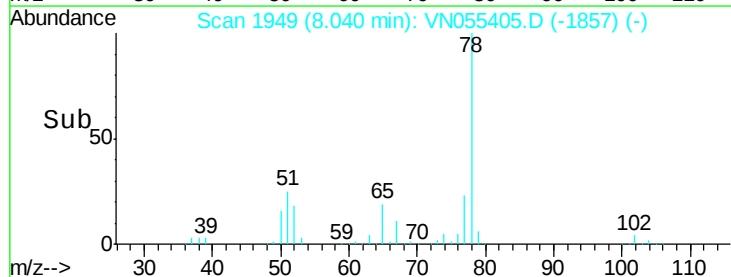
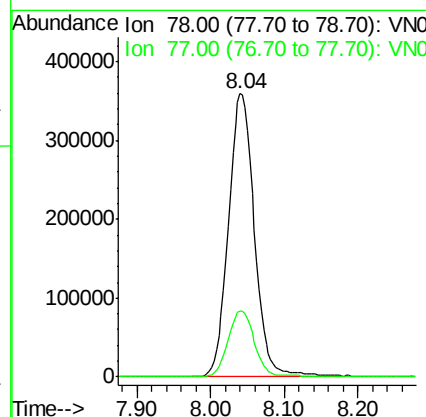
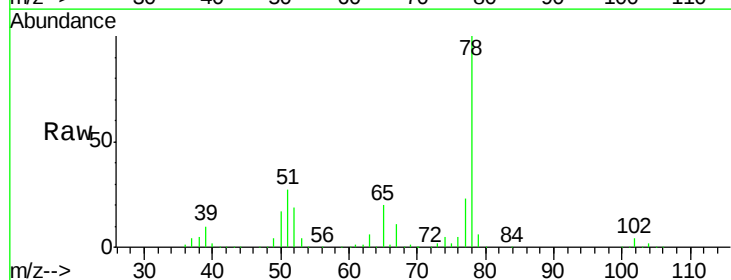
Manual Integrations
APPROVED

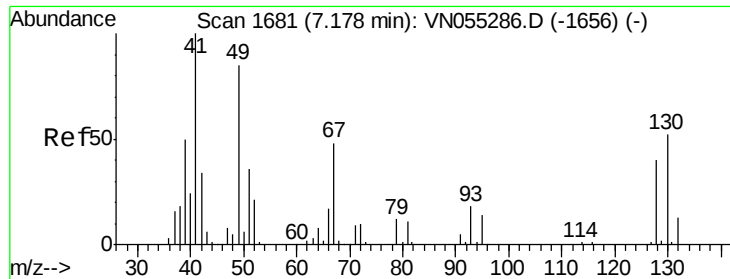
MMDadoda
5/7/2019 1:25:13 PM



#40
Benzene
Concen: 47.446 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6





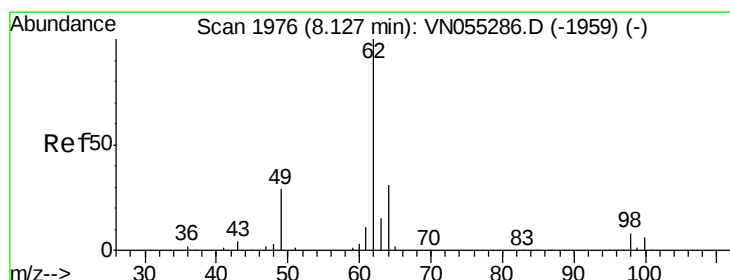
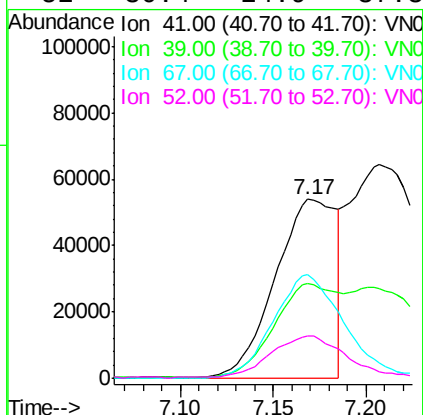
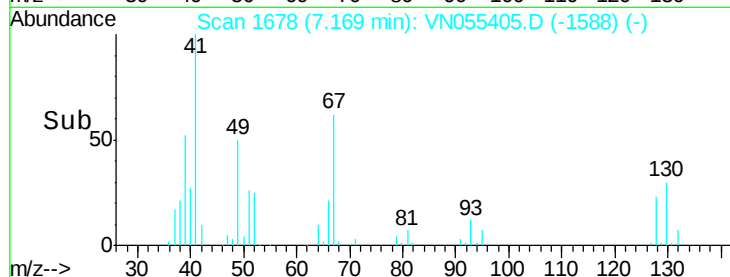
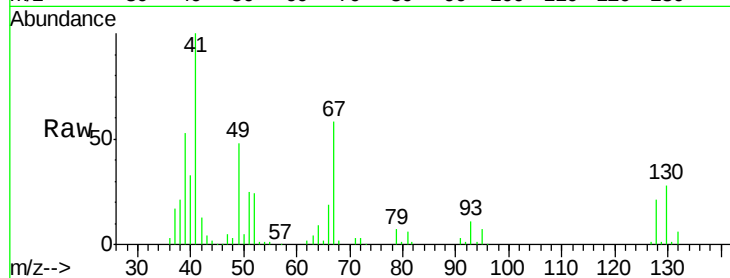
#41
Methacrylonitrile
Concen: 47.215 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.6	48.5	72.7
67	67.8	54.9	82.3
52	30.4	24.9	37.3

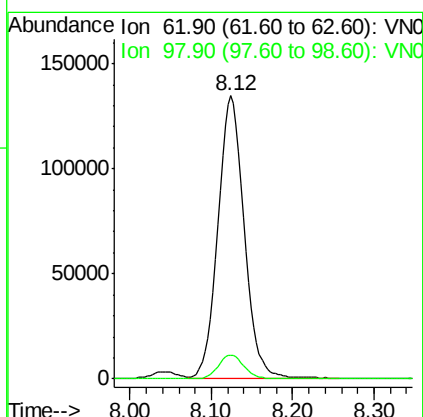
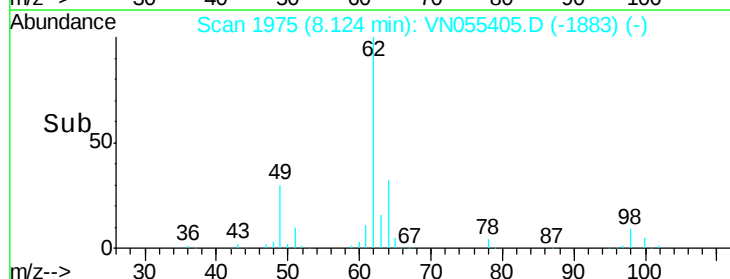
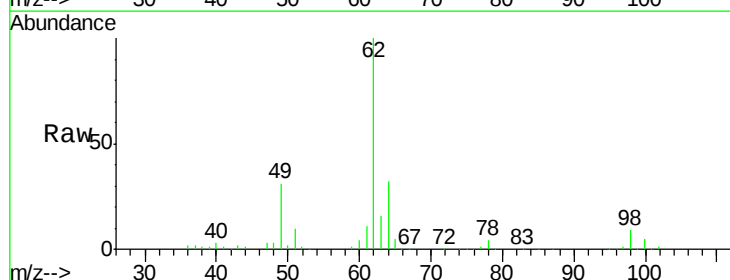
Manual Integrations
APPROVED

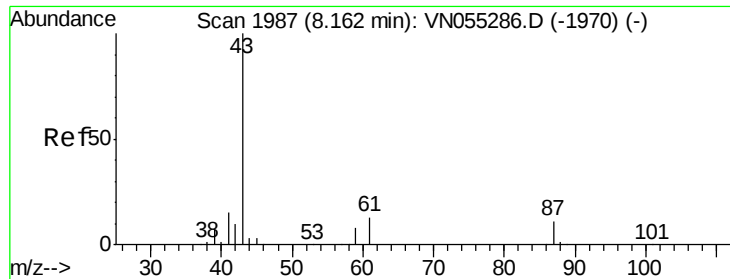
MMDadoda
5/7/2019 1:25:13 PM



#42
1,2-Dichloroethane
Concen: 46.797 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4





#43

Isopropyl Acetate

Concen: 46.912 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

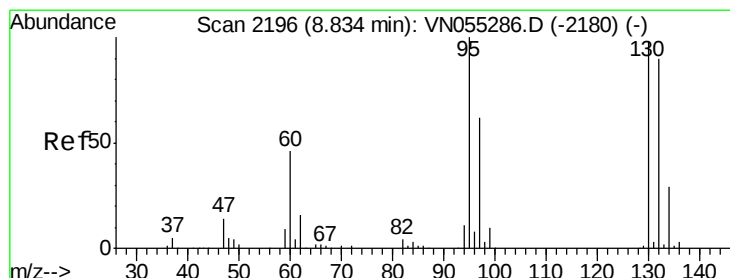
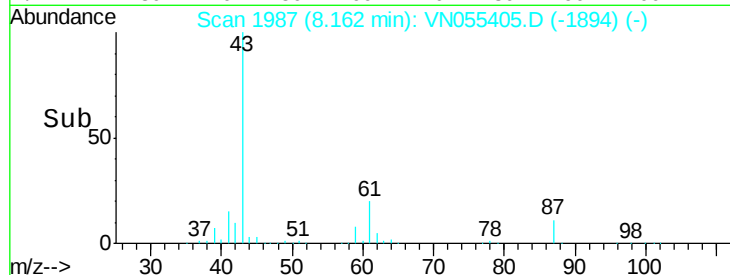
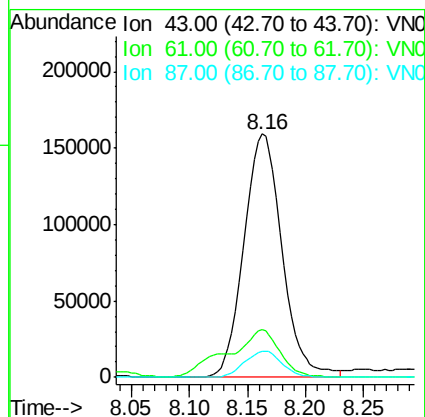
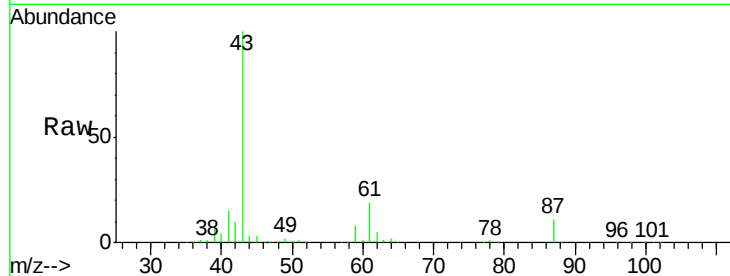
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	363572
Ion Ratio	Lower	Upper	
43	100		
61	17.6	20.8	31.2#
87	10.5	8.5	12.7

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#44

Trichloroethene

Concen: 48.010 ug/l

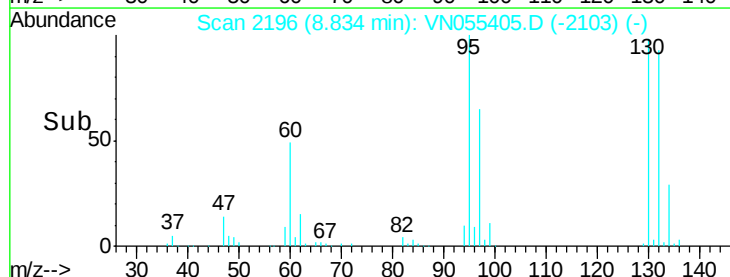
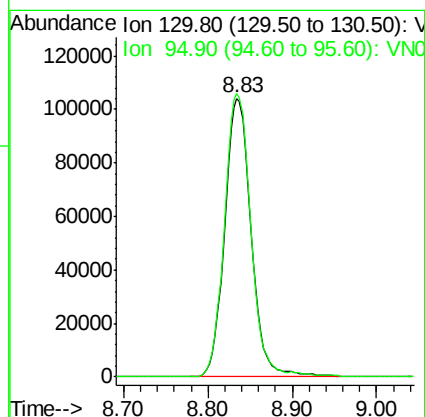
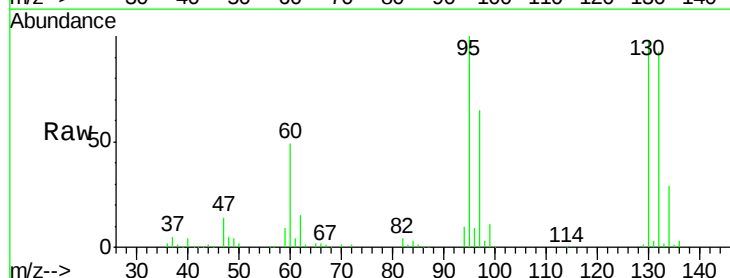
RT: 8.83 min Scan# 2196

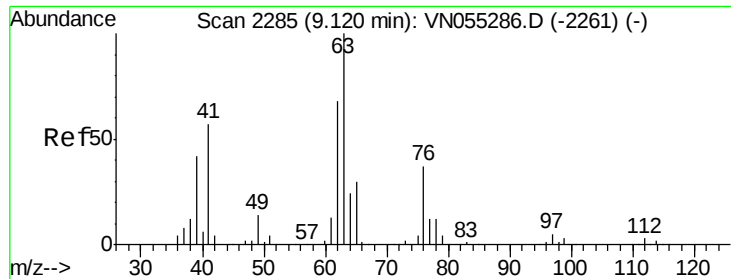
Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Tgt Ion:	130	Resp:	227031
Ion Ratio	Lower	Upper	
130	100		
95	101.7	0.0	203.4





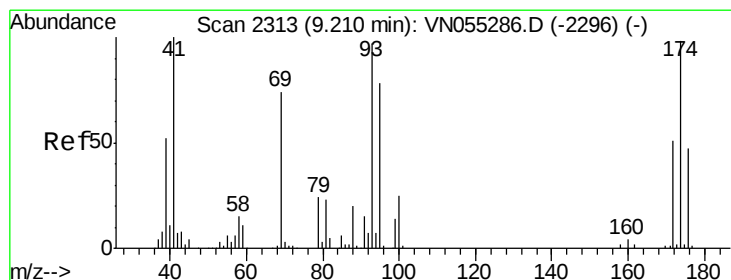
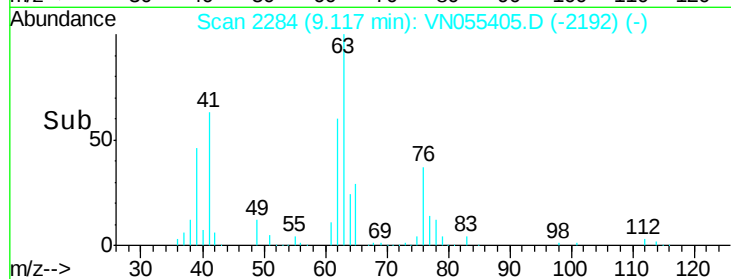
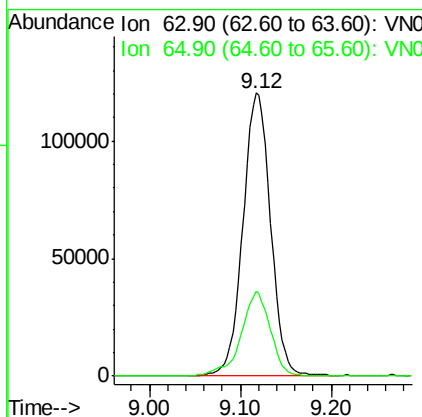
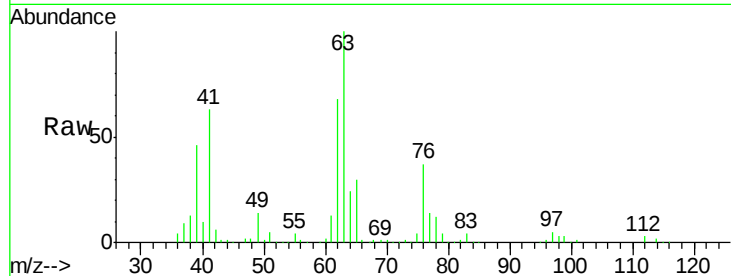
#45
 1,2-Dichloropropane
 Concen: 47.602 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	23.9	35.9

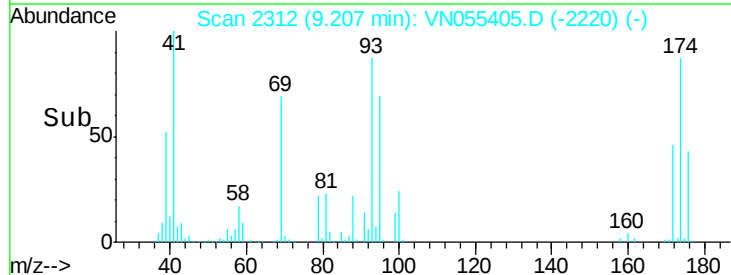
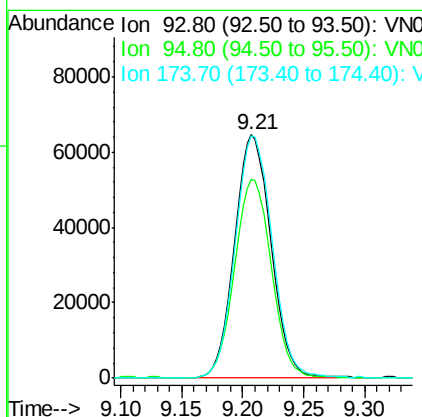
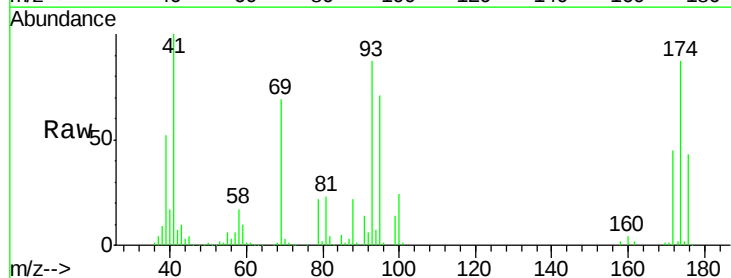
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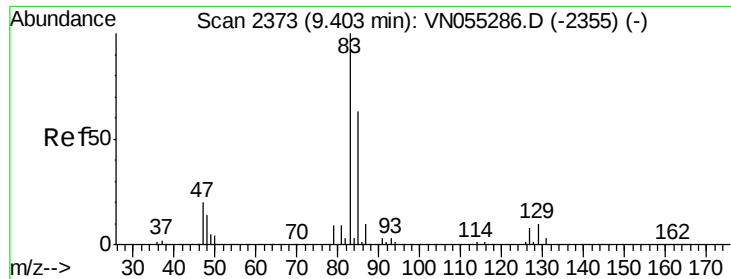
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#46
 Dibromomethane
 Concen: 45.831 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.7	98.5
174	101.1	81.5	122.3





#47

Bromodichloromethane

Concen: 49.826 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

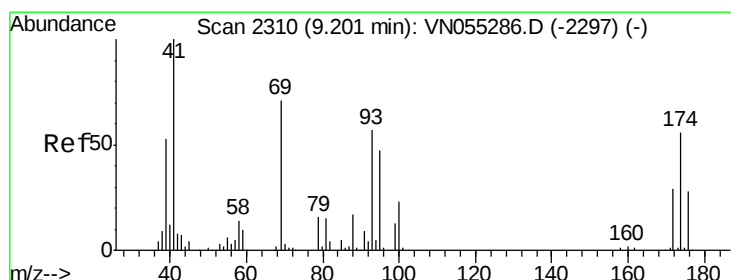
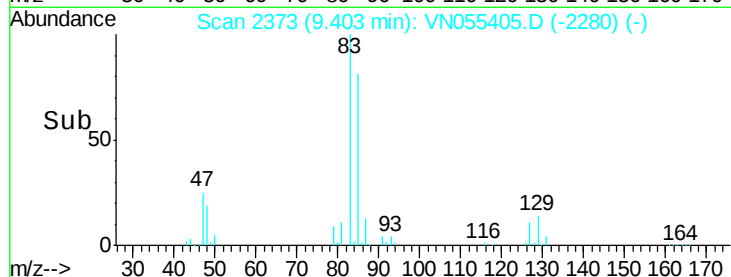
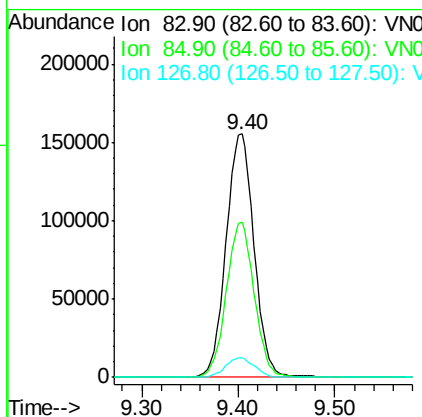
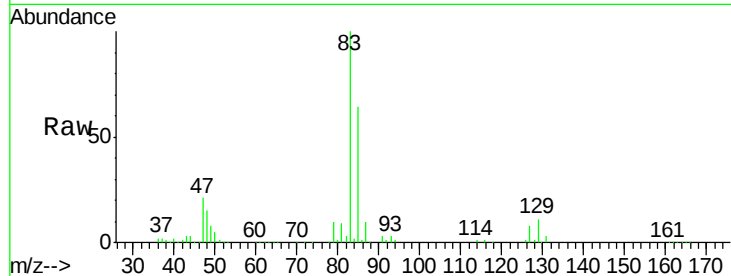
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	312588
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.1	75.1
127	8.3	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 44.581 ug/l

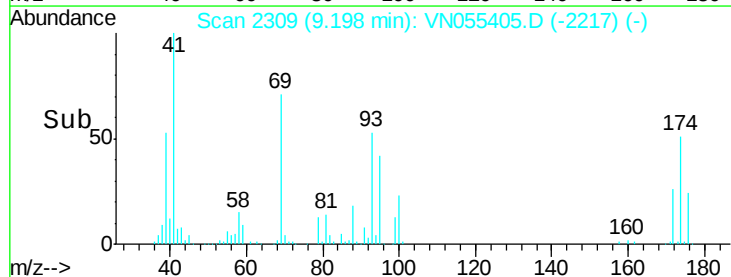
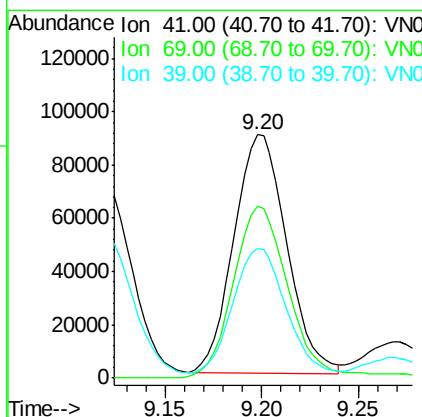
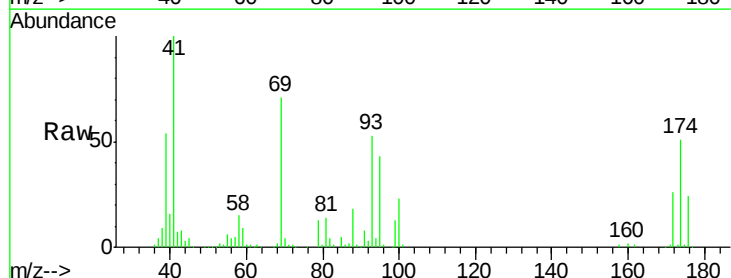
RT: 9.20 min Scan# 2309

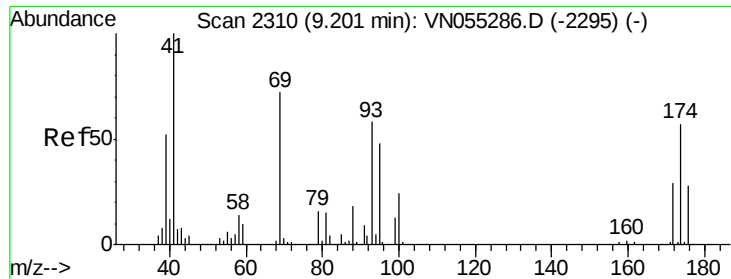
Delta R.T. -0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Tgt Ion:	41	Resp:	169852
Ion Ratio	Lower	Upper	
41	100		
69	75.1	58.6	87.8
39	54.8	43.8	65.6





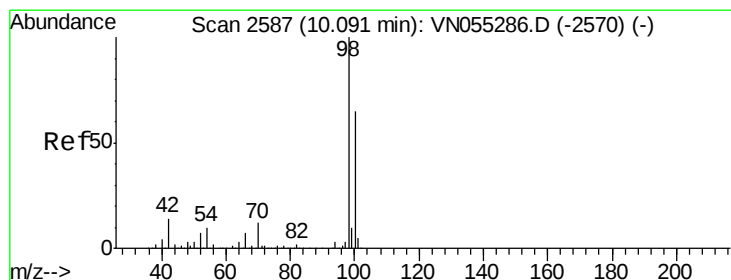
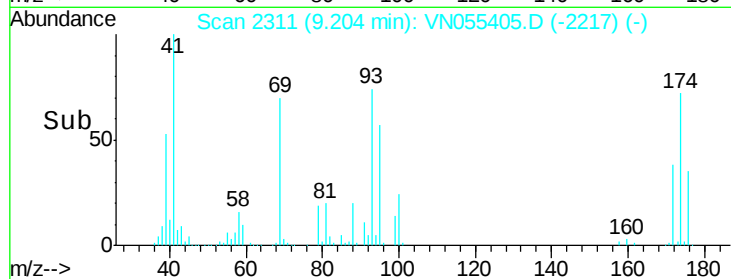
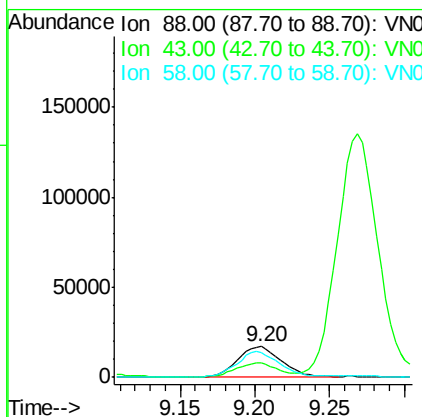
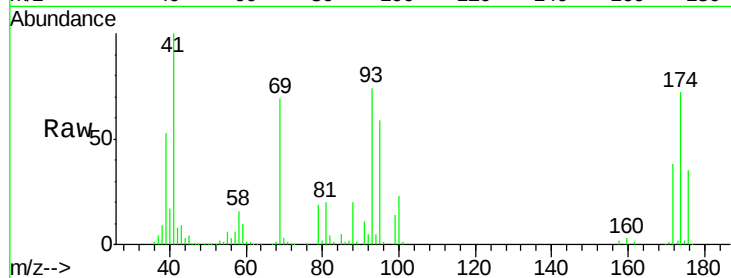
#49
1,4-Dioxane
Concen: 908.947 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	35799
Ion	Ratio	Lower	Upper
88	100		
43	41.1	33.3	49.9
58	81.3	62.7	94.1

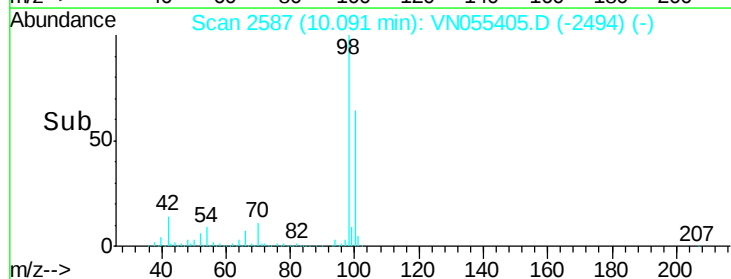
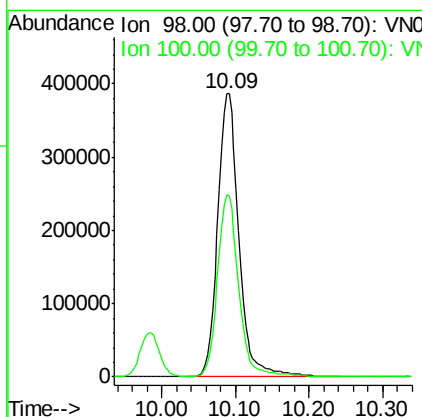
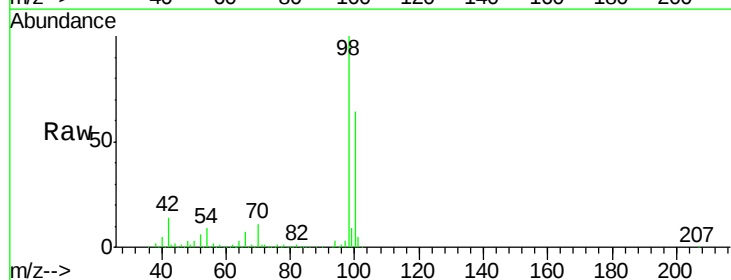
Manual Integrations
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#50
Toluene-d8
Concen: 49.580 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	98	Resp	771946
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 230.820 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1007171

Ion Ratio Lower Upper

43 100

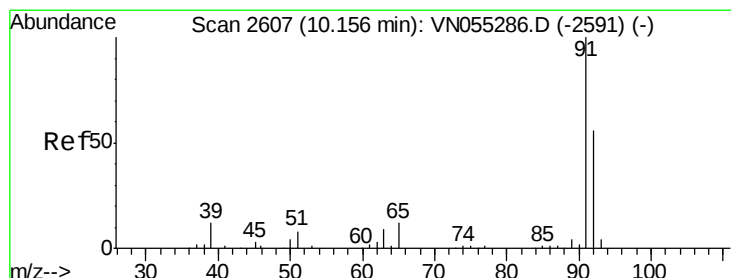
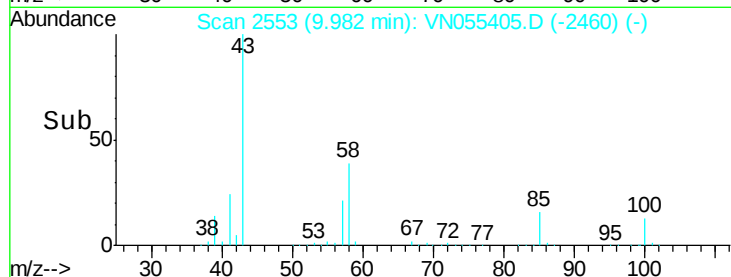
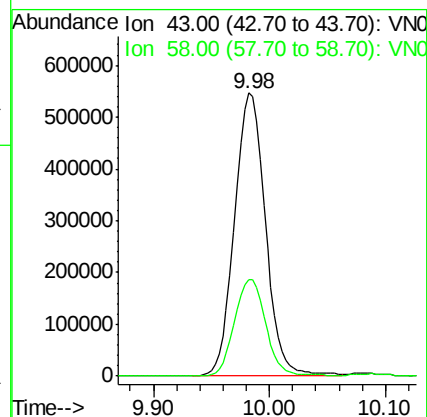
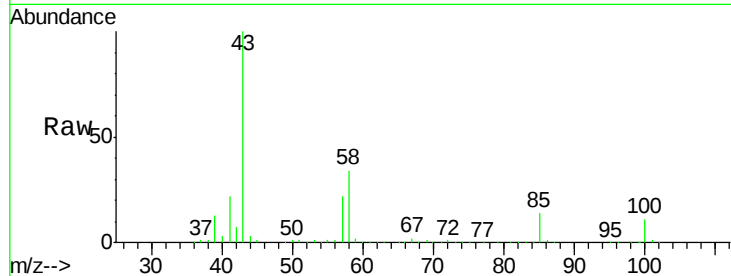
58 34.8 28.5 42.7

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#52

Toluene

Concen: 48.513 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055405.D

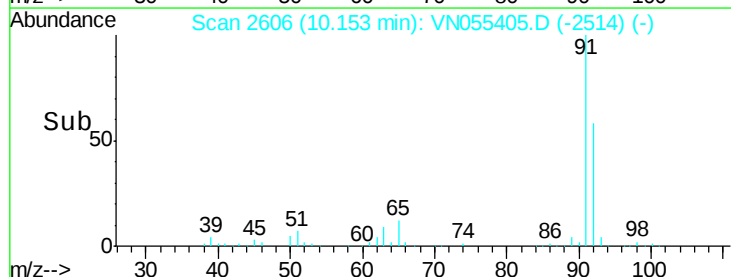
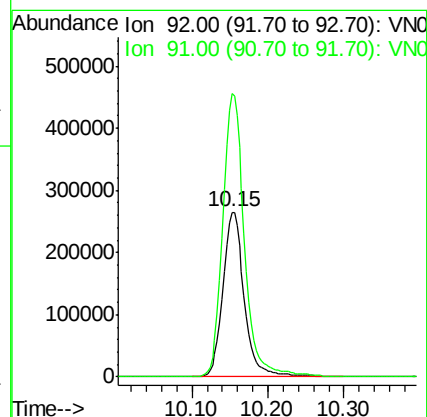
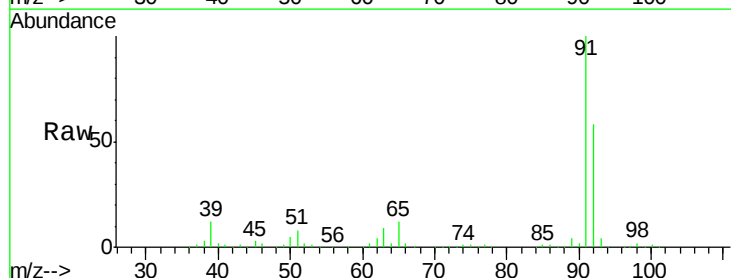
Acq: 6 May 2019 9:23

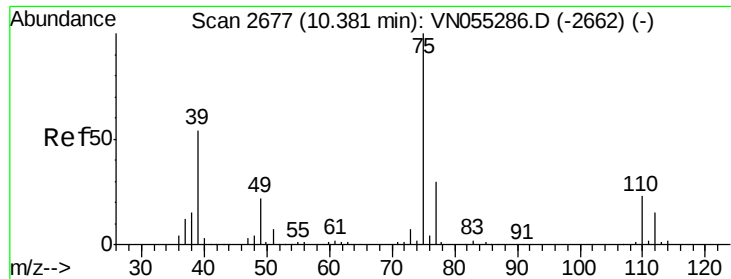
Tgt Ion: 92 Resp: 516335

Ion Ratio Lower Upper

92 100

91 174.8 140.1 210.1





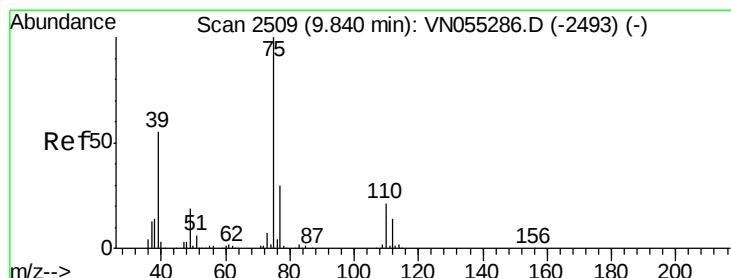
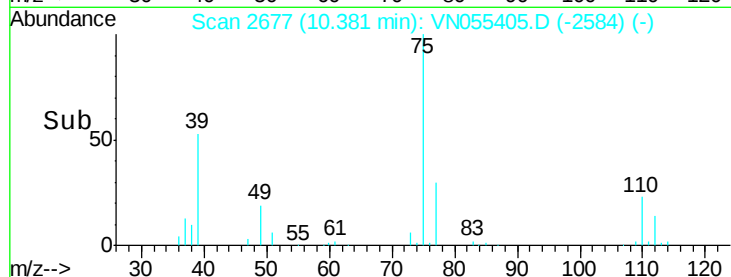
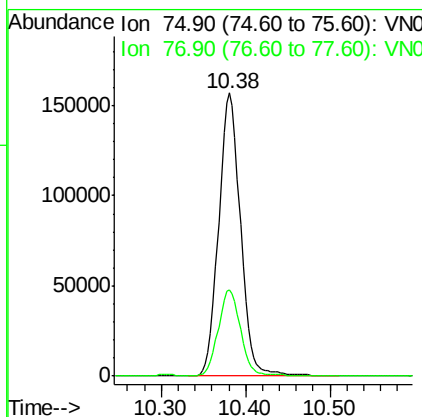
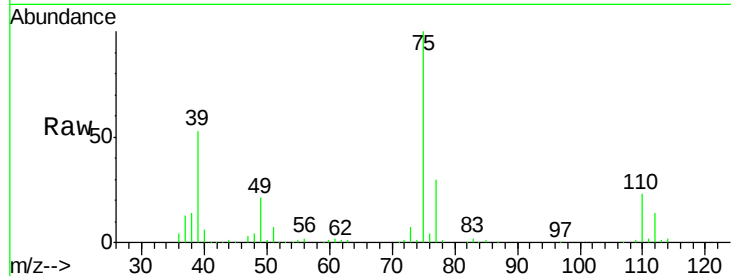
#53
t-1,3-Dichloropropene
Concen: 51.970 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	75	Resp	283034
Ion Ratio	100	Lower	Upper
77	30.4	24.4	36.6

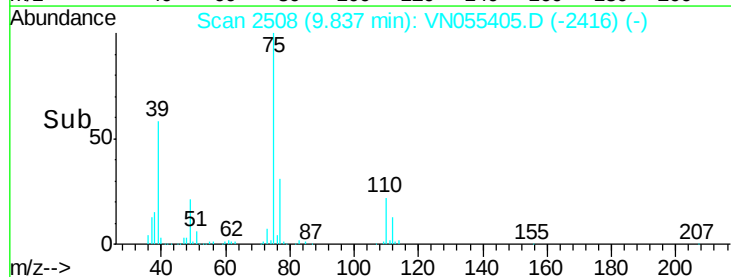
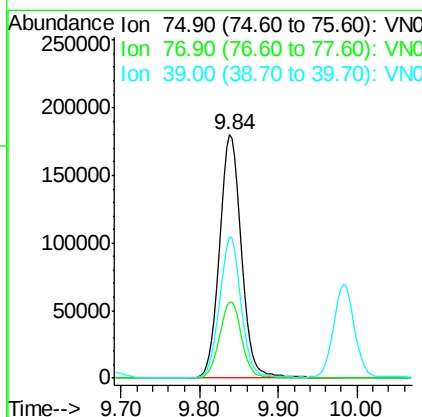
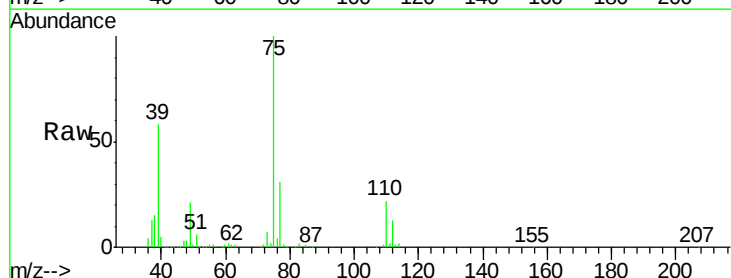
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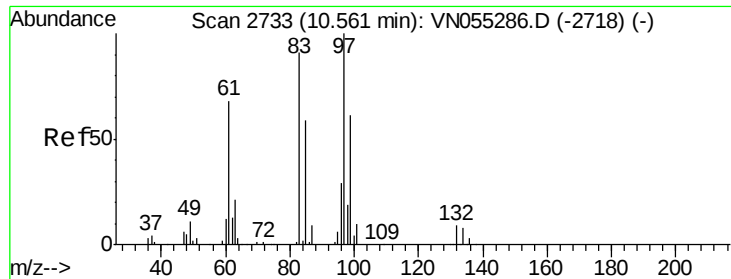
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#54
cis-1,3-Dichloropropene
Concen: 50.921 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	75	Resp	345762
Ion Ratio	100	Lower	Upper
77	31.1	24.2	36.2
39	57.7	44.2	66.2





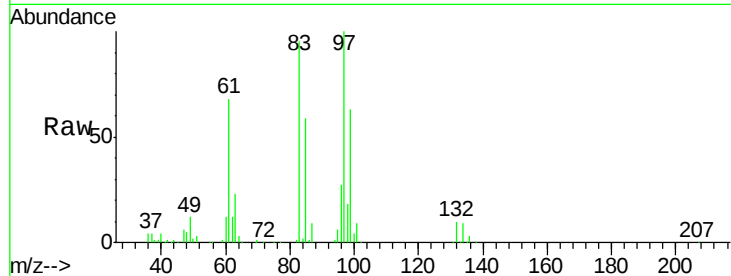
#55
 1,1,2-Trichloroethane
 Concen: 46.675 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	184469
Ion	Ratio	Lower	Upper
97	100		
83	94.5	72.8	109.2
85	58.9	47.0	70.6
99	62.7	49.0	73.4

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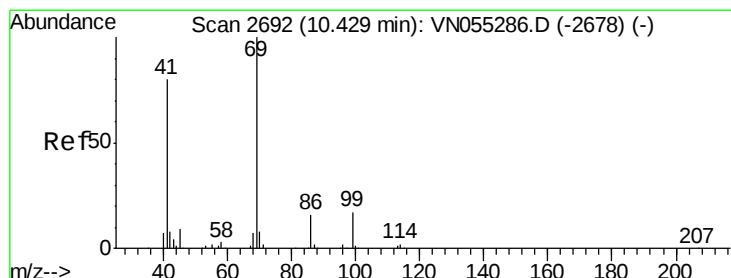
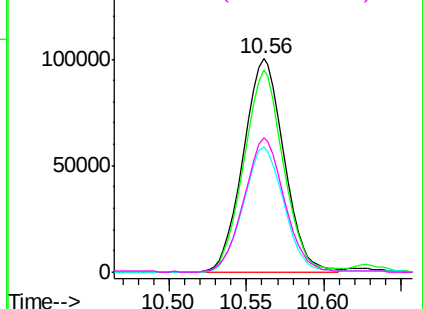
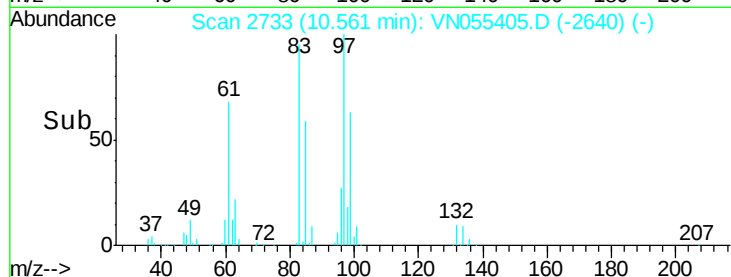
Abundance

Ion 96.90 (96.60 to 97.60): VN055405.D (-2640) (-)

Ion 82.90 (82.60 to 83.60): VN055405.D (-2640) (-)

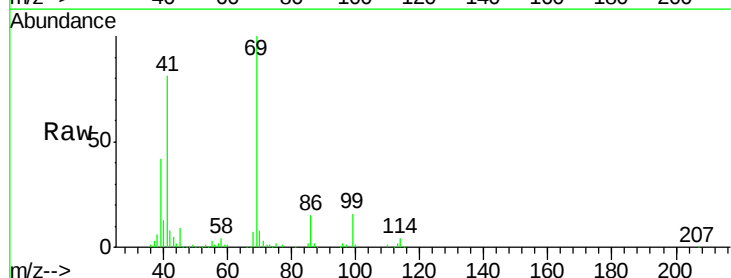
Ion 84.90 (84.60 to 85.60): VN055405.D (-2640) (-)

Ion 98.90 (98.60 to 99.60): VN055405.D (-2640) (-)



#56
 Ethyl methacrylate
 Concen: 48.031 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Tgt Ion:	69	Resp:	233653
Ion	Ratio	Lower	Upper
69	100		
41	77.9	62.7	94.1
39	41.2	32.0	48.0

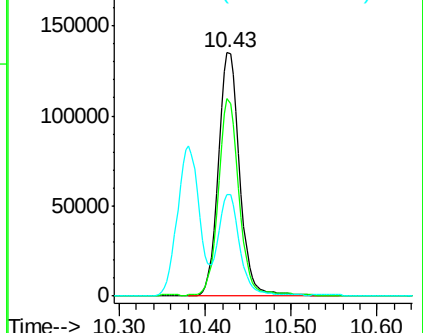
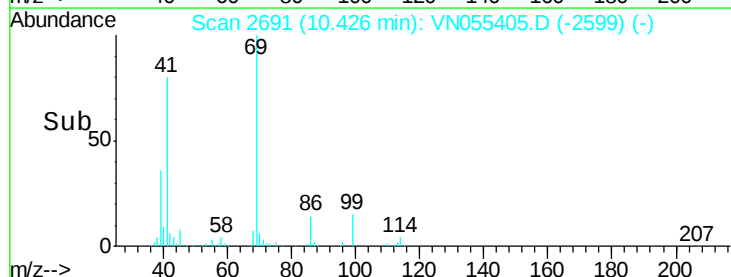


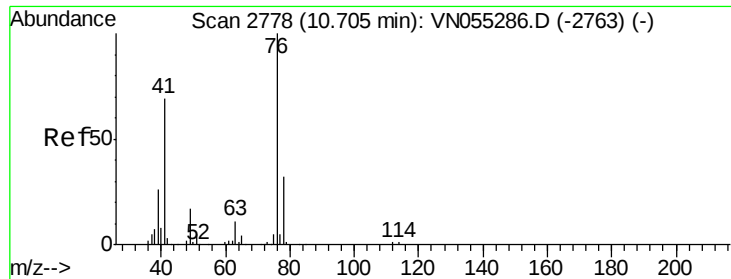
Abundance

Ion 69.00 (68.70 to 69.70): VN055405.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN055405.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN055405.D (-2599) (-)





#57

1,3-Dichloropropane

Concen: 47.639 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 330296

Ion Ratio Lower Upper

76 100

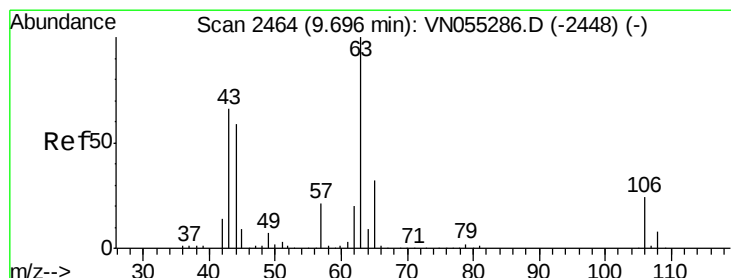
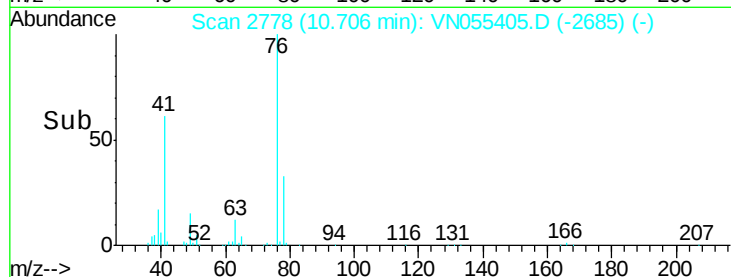
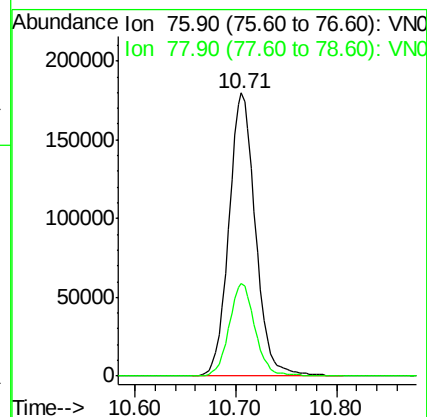
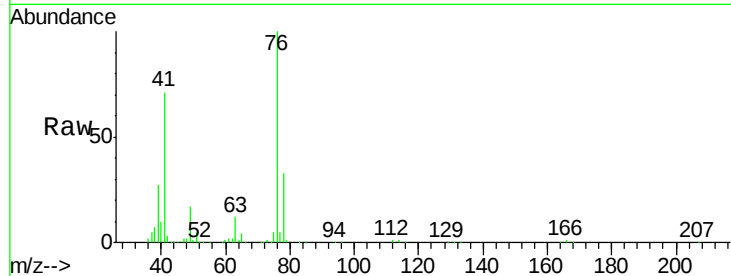
78 32.0 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 177.464 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055405.D

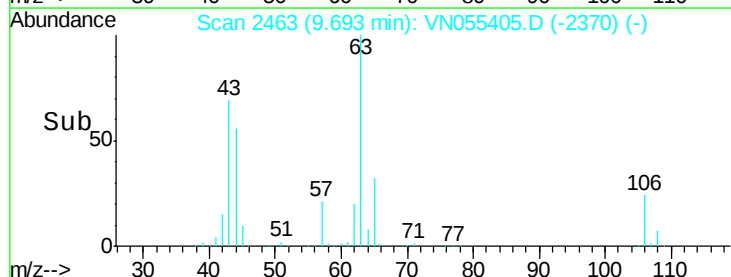
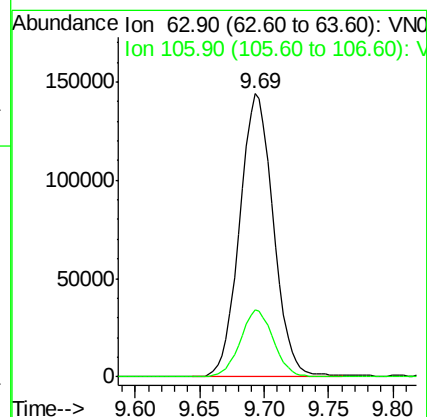
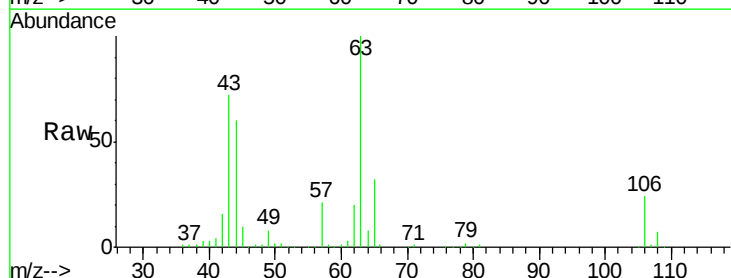
Acq: 6 May 2019 9:23

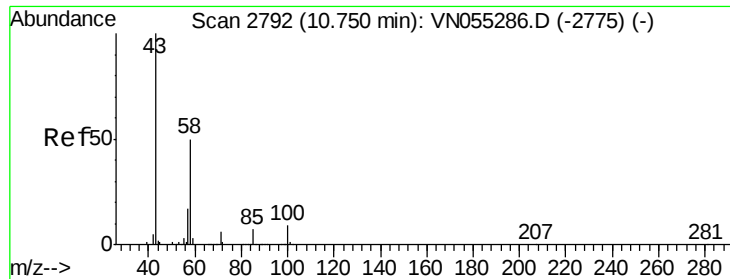
Tgt Ion: 63 Resp: 262202

Ion Ratio Lower Upper

63 100

106 23.2 19.0 28.4





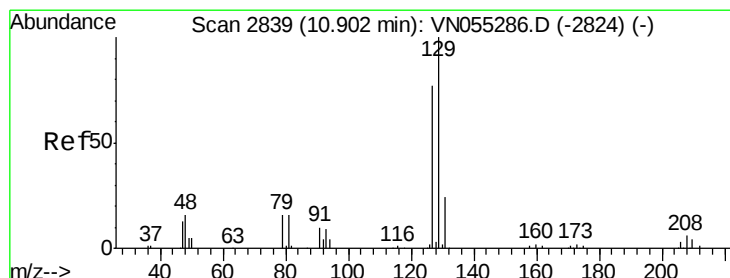
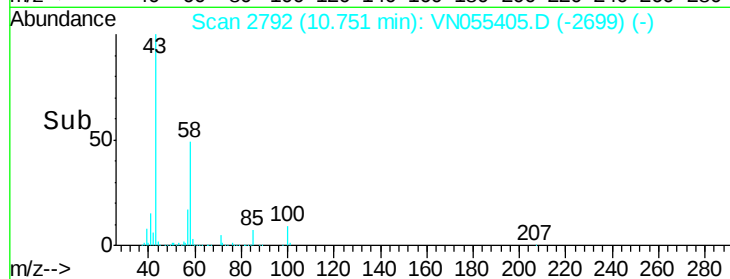
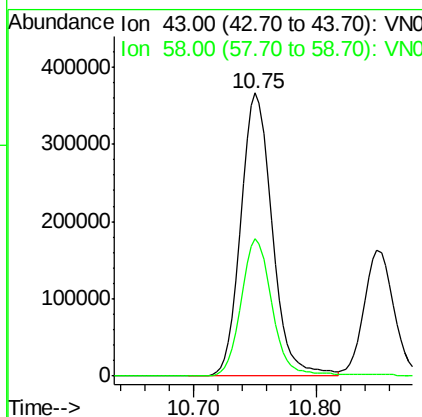
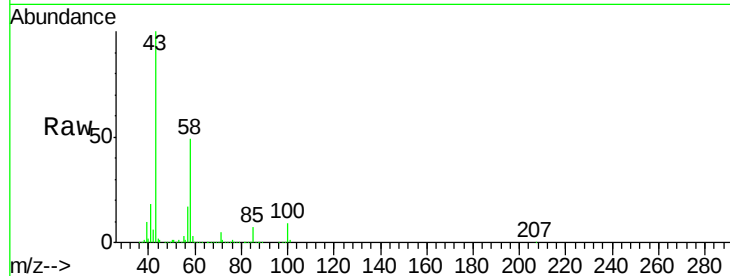
#59
2-Hexanone
Concen: 237.318 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.2	24.9	74.6

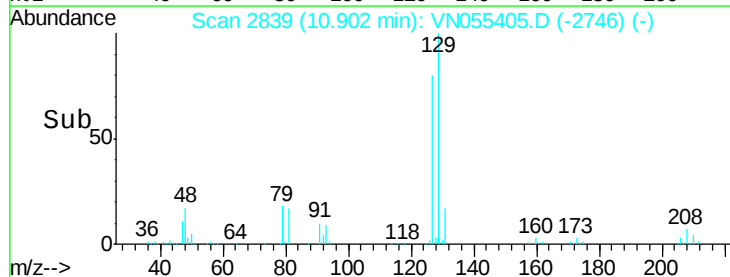
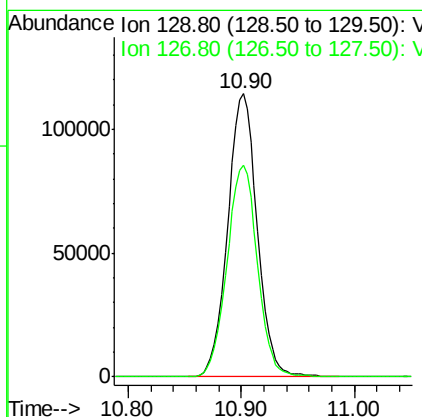
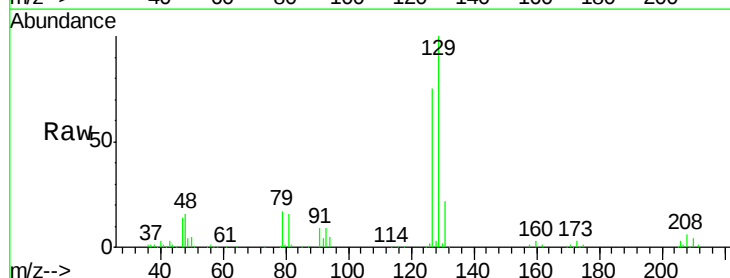
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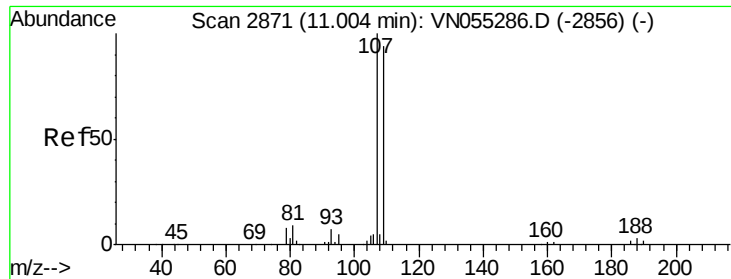
MMDadoda
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#60
Dibromochloromethane
Concen: 51.409 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.1	114.5





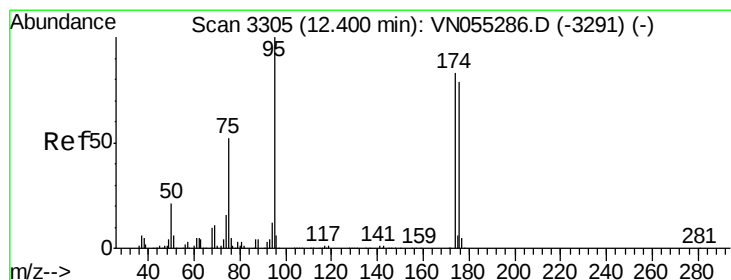
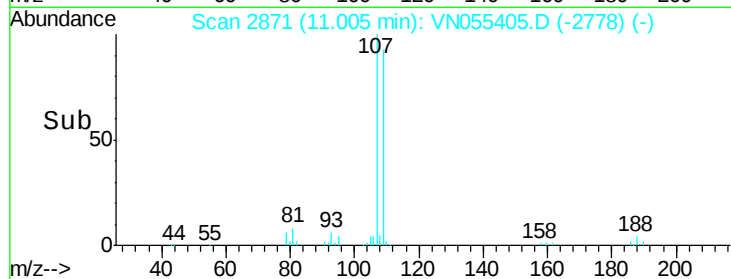
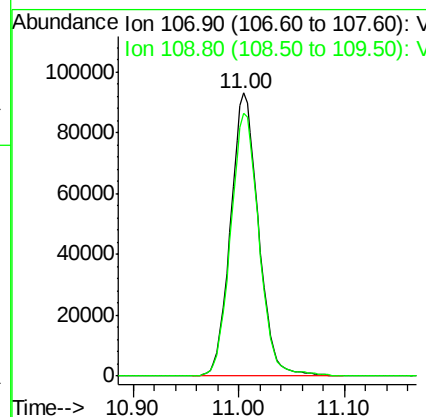
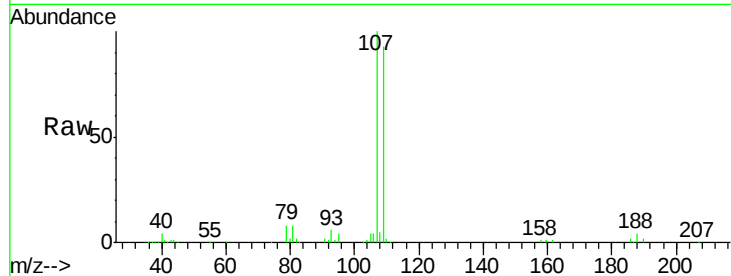
#61
 1,2-Dibromoethane
 Concen: 46.596 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	170215		
109	94.6	75.0	112.6	

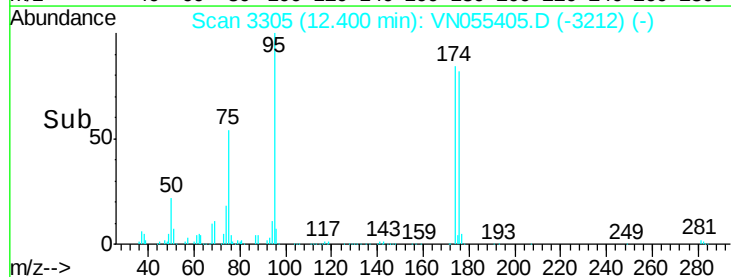
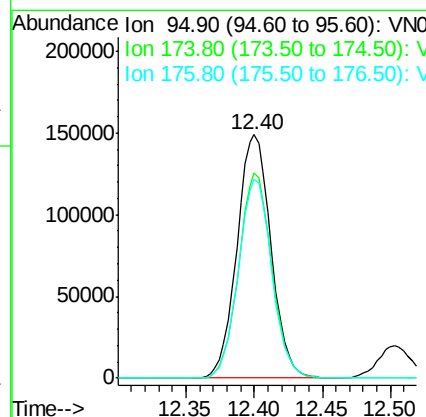
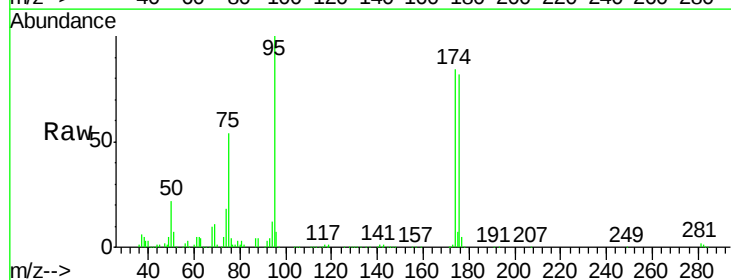
Manual Integrations
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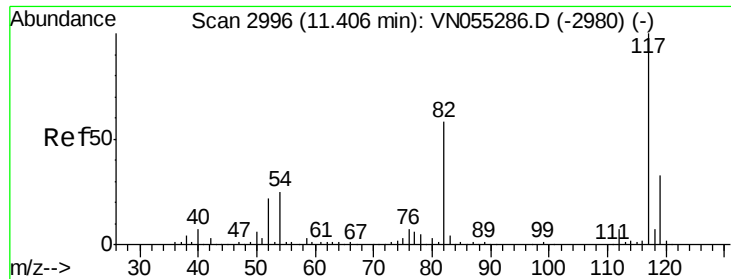
MMDadoda
 5/7/2019 1:25:13 PM



#62
 4-Bromofluorobenzene
 Concen: 52.833 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	257089		
174	82.3	0.0	166.6	
176	80.3	0.0	157.8	





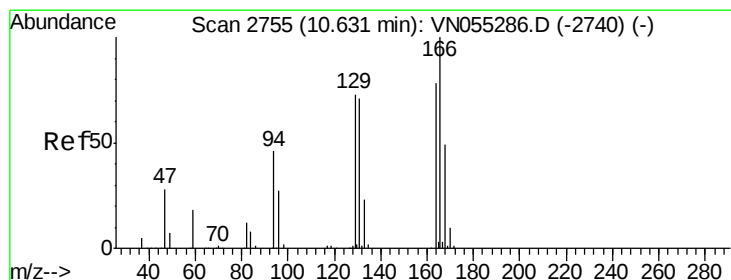
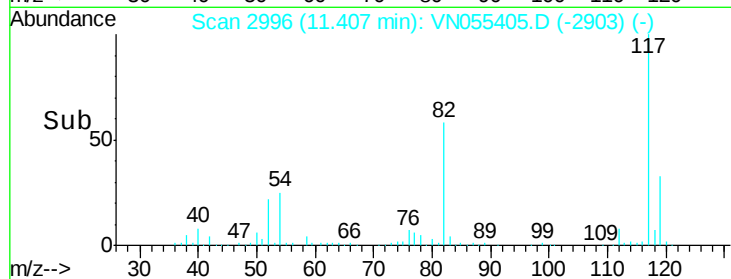
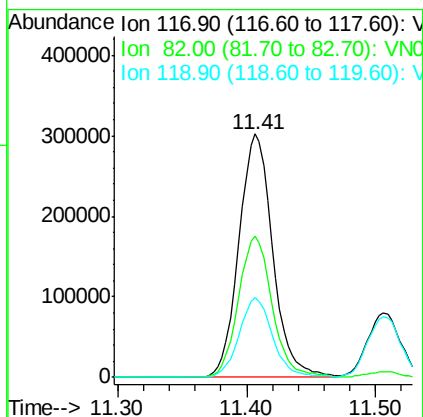
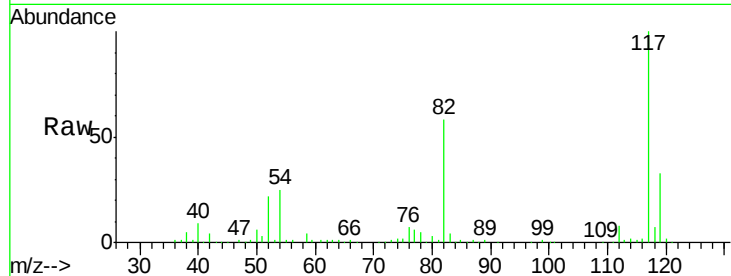
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.2	69.4
119	32.5	26.6	40.0

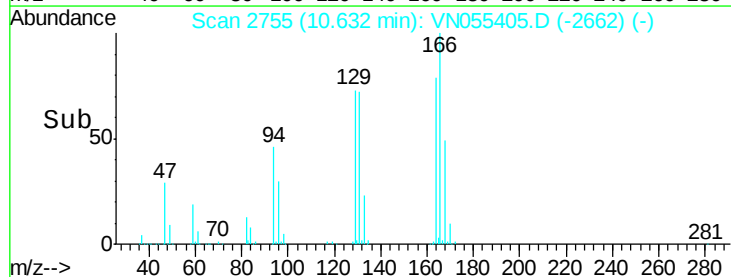
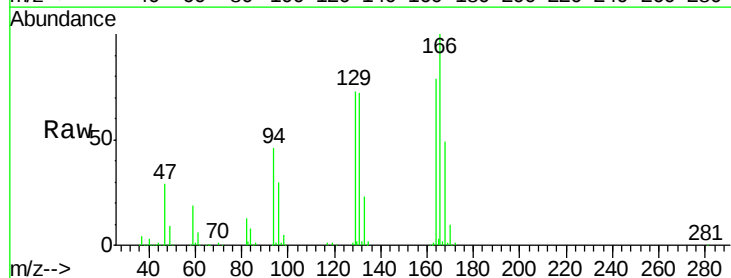
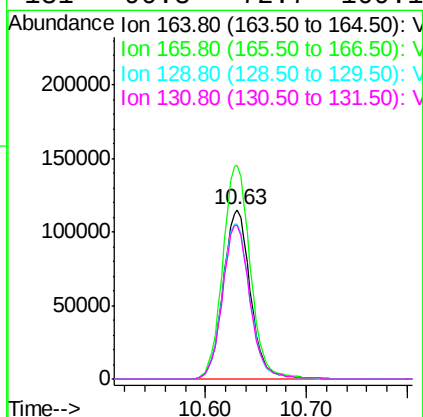
Manual Integrations
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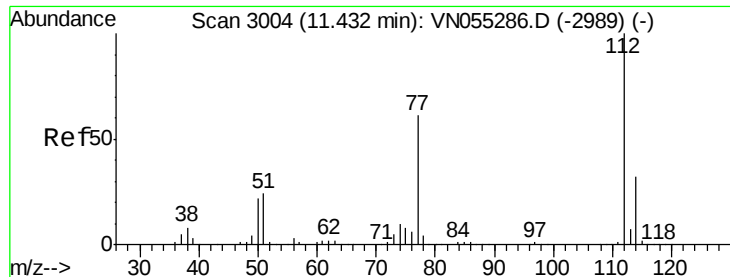
MMDadoda
5/7/2019 1:25:13 PM



#64
Tetrachloroethene
Concen: 48.039 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	102.3	153.5
129	91.6	75.0	112.6
131	90.8	72.7	109.1





#65

Chlorobenzene

Concen: 48.596 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 525345

Ion Ratio Lower Upper

112 100

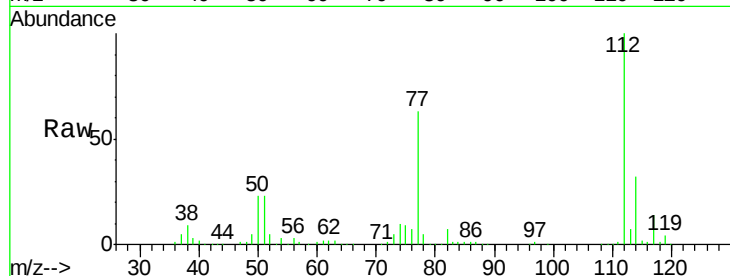
114 32.5 25.3 37.9

Manual Integrations

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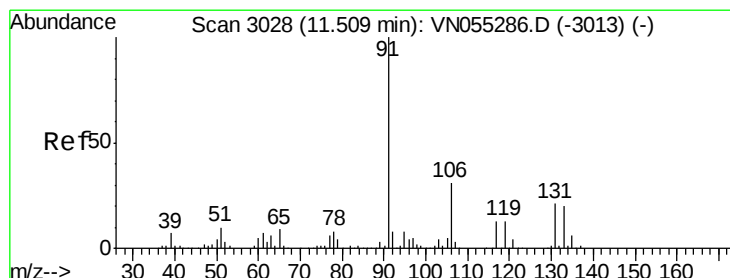
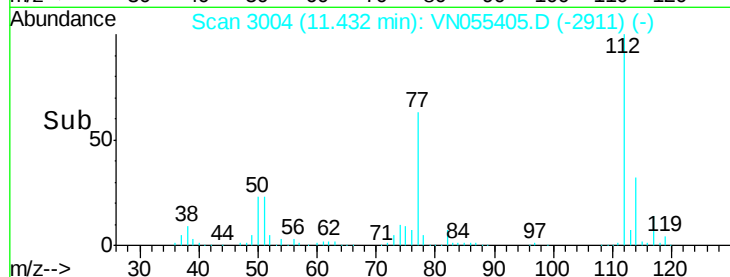
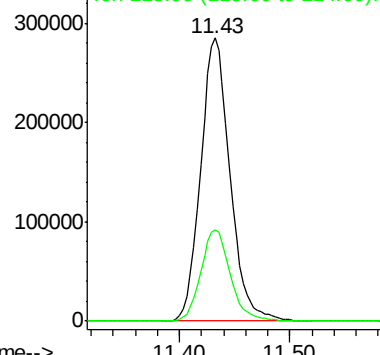
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.361 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

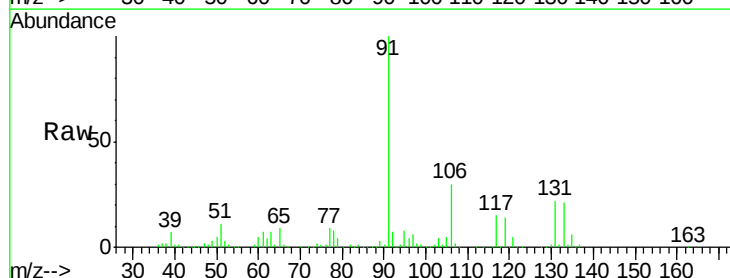
Tgt Ion:131 Resp: 208949

Ion Ratio Lower Upper

131 100

133 95.2 47.5 142.6

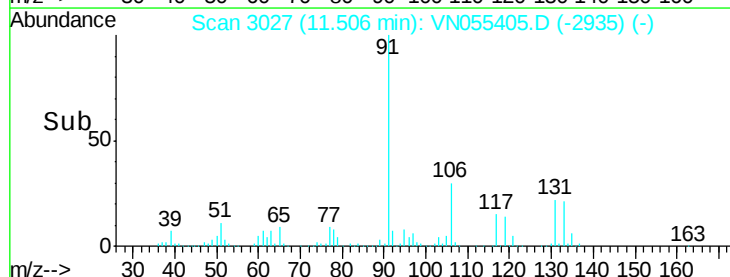
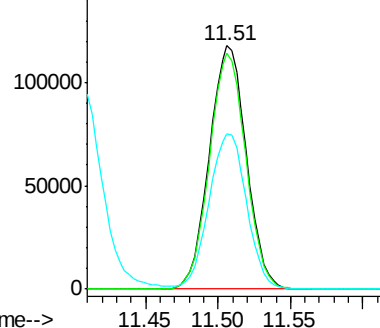
119 64.9 32.7 98.1



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





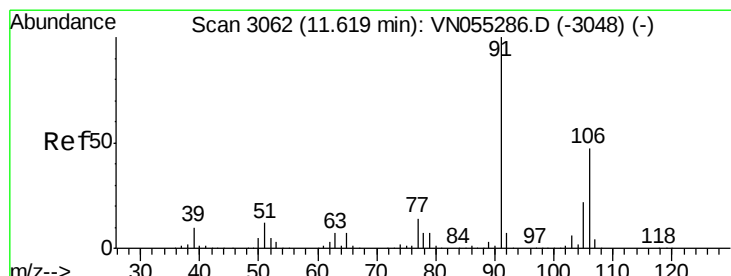
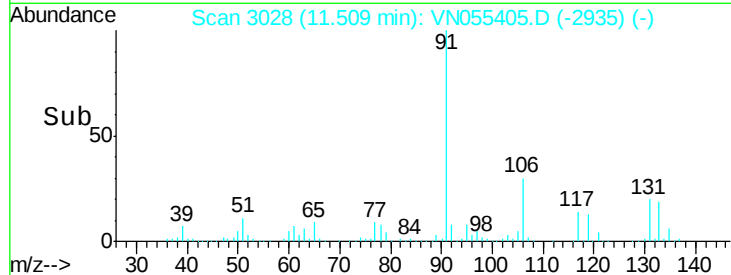
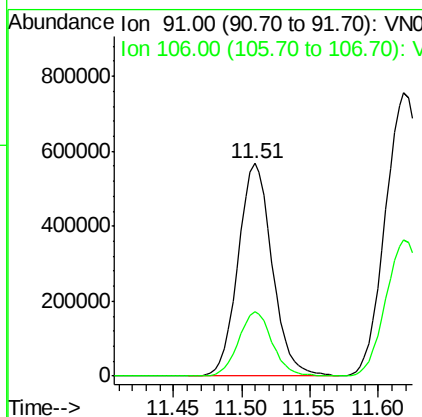
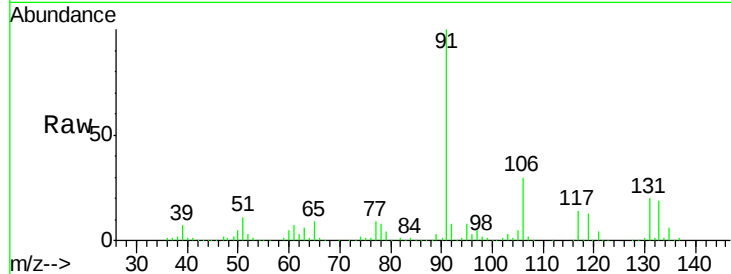
#67
Ethyl Benzene
Concen: 50.561 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 987024
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8

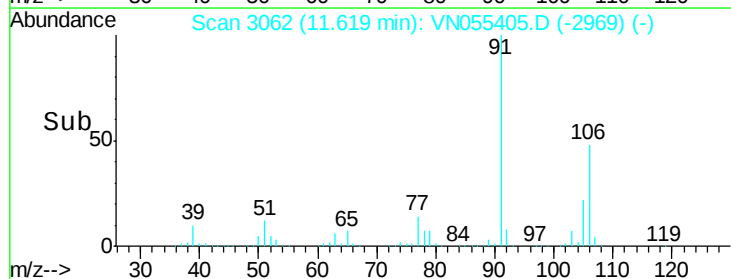
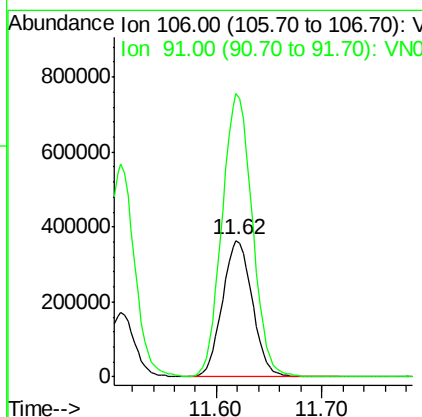
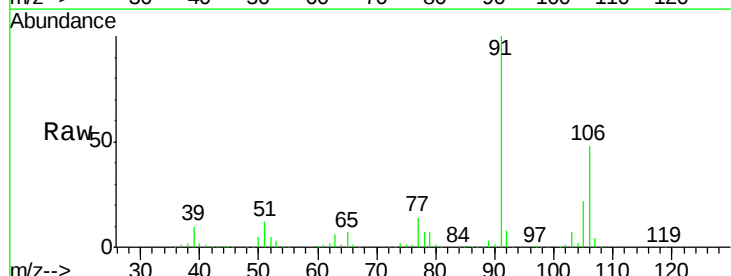
Manual Integrations
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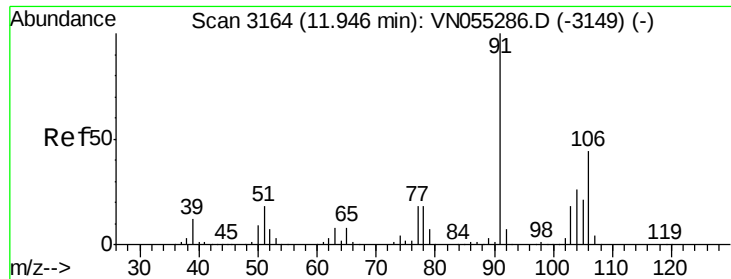
MMDadoda
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#68
m/p-Xylenes
Concen: 102.813 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion: 106 Resp: 716412
Ion Ratio Lower Upper
106 100
91 209.7 169.5 254.3





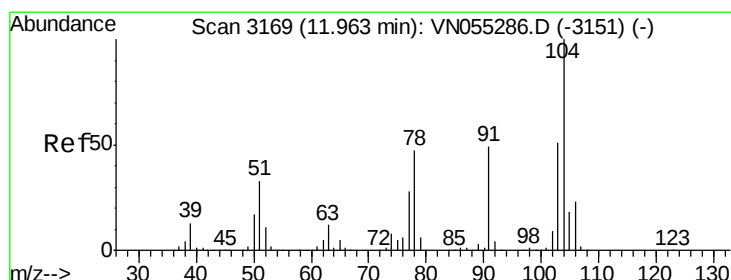
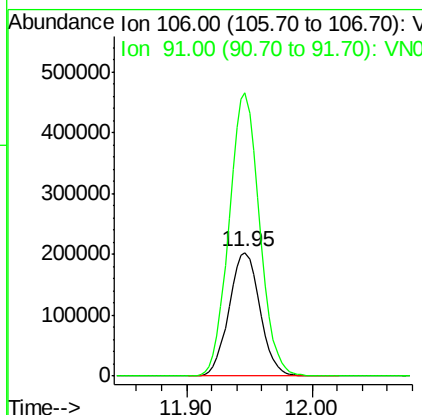
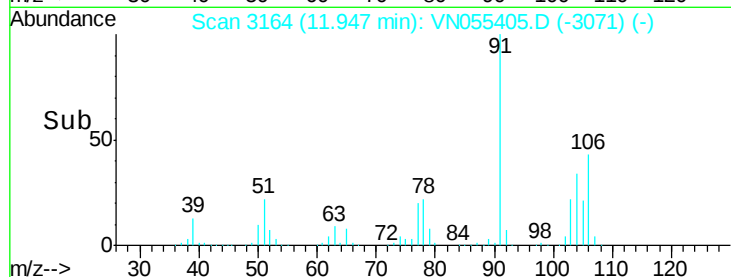
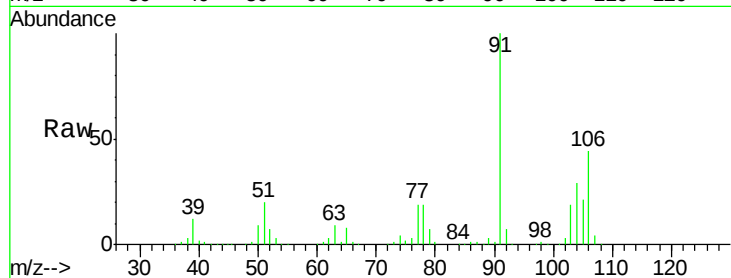
#69
o-Xylene
Concen: 50.475 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 348611
Ion Ratio Lower Upper
106 100
91 225.1 111.5 334.5

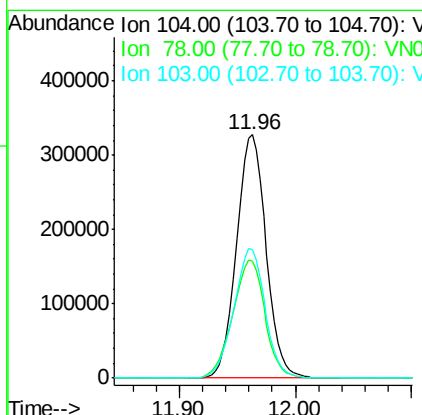
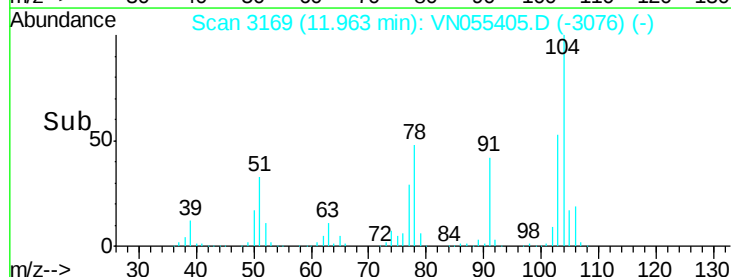
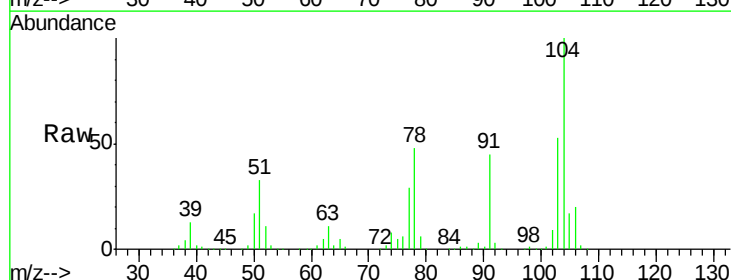
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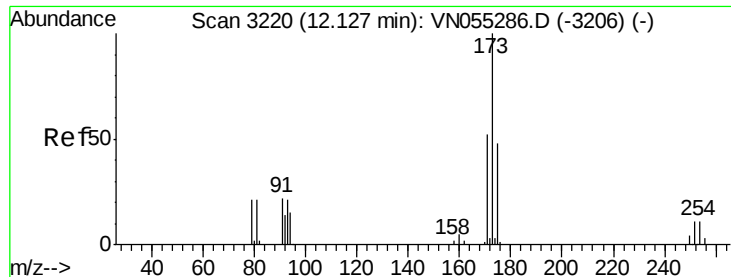
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#70
Styrene
Concen: 54.478 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion:104 Resp: 577701
Ion Ratio Lower Upper
104 100
78 52.7 42.2 63.2
103 56.3 44.6 67.0





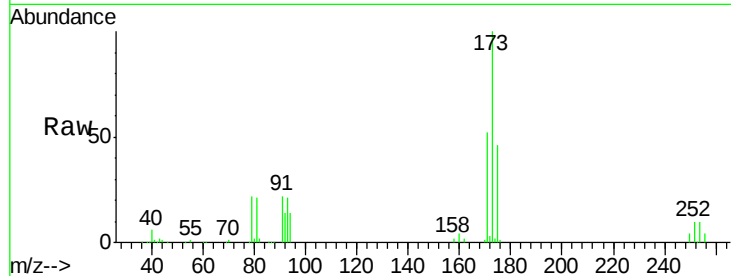
#71
Bromoform
Concen: 52.328 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

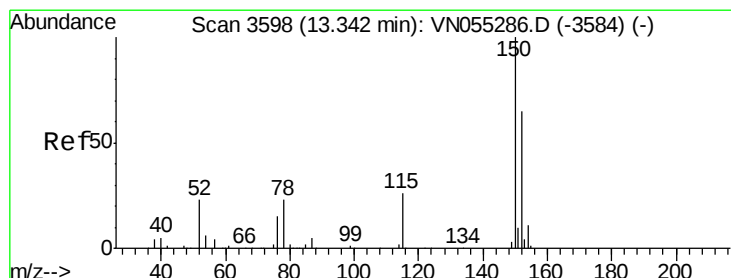
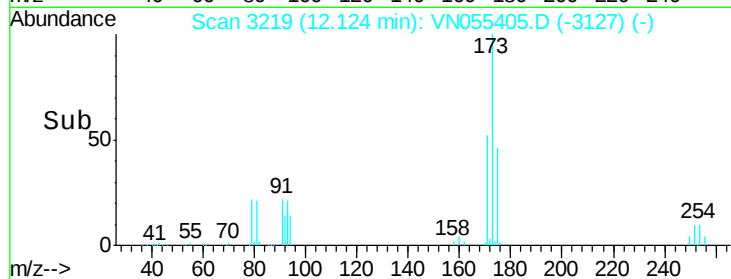
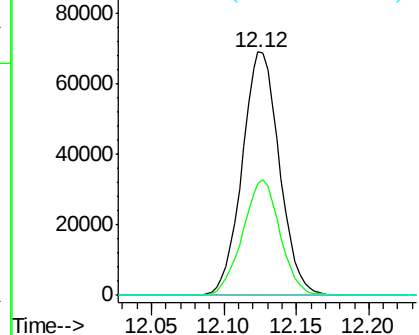
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.6	71.0
254	0.0	0.0	0.0

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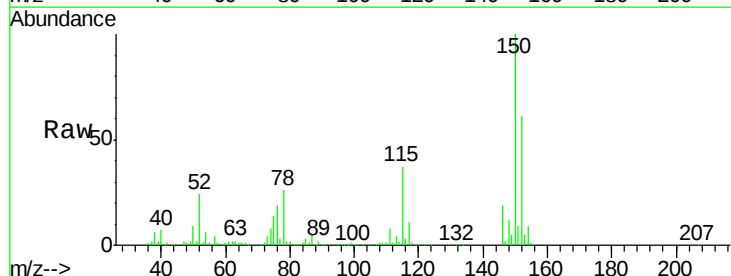


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

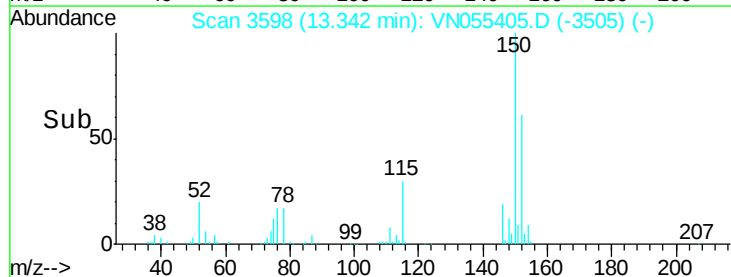
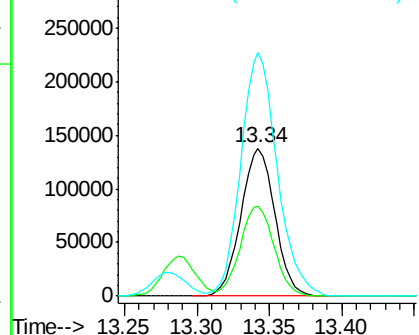


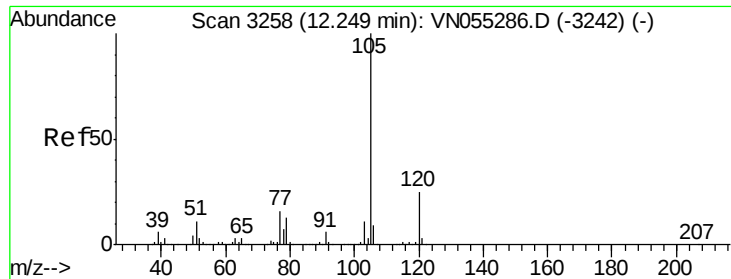
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	29.0	87.0
150	176.7	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





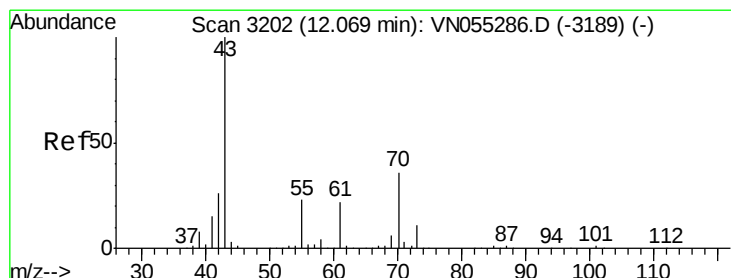
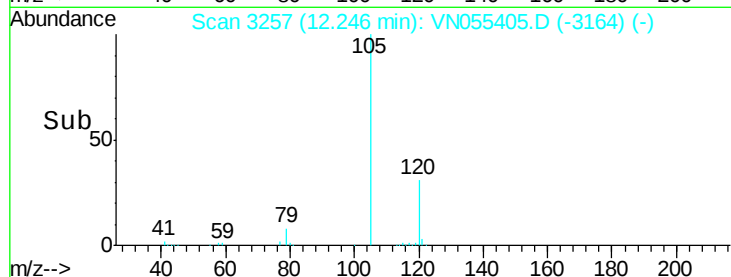
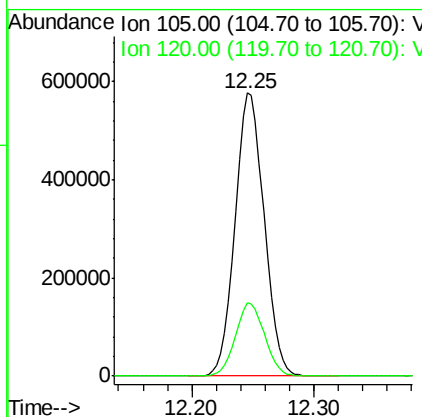
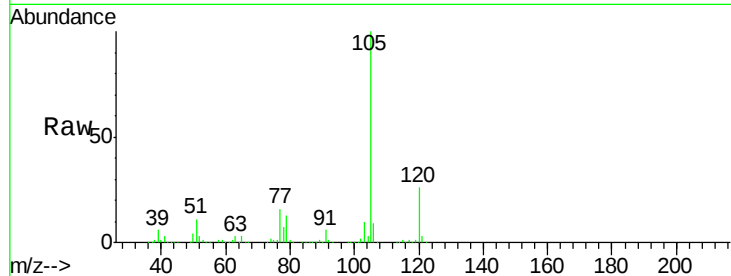
#73
Isopropylbenzene
Concen: 53.544 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7

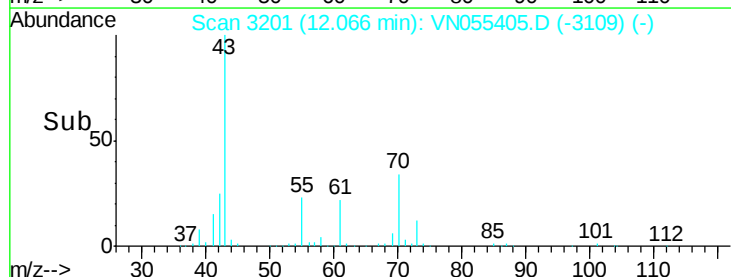
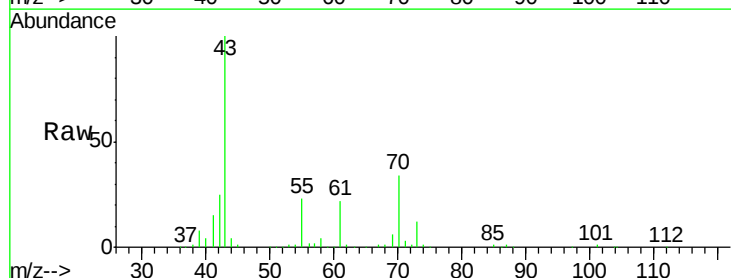
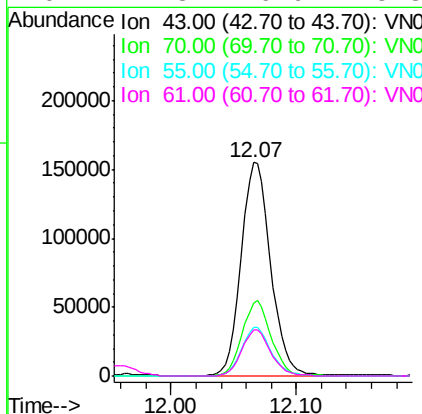
Manual Integrations
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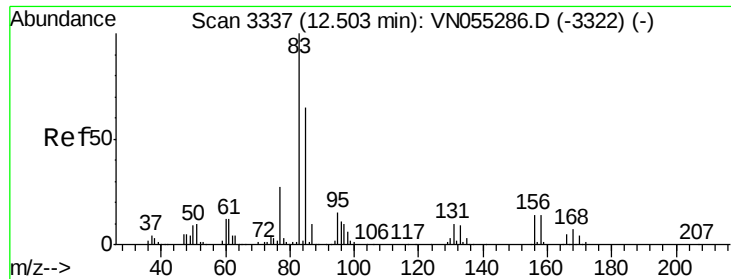
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#74
N-ethyl acetate
Concen: 44.108 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Lower	Upper
43	100		
70	34.7	27.9	41.9
55	22.8	18.2	27.2
61	21.3	16.9	25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 47.685 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

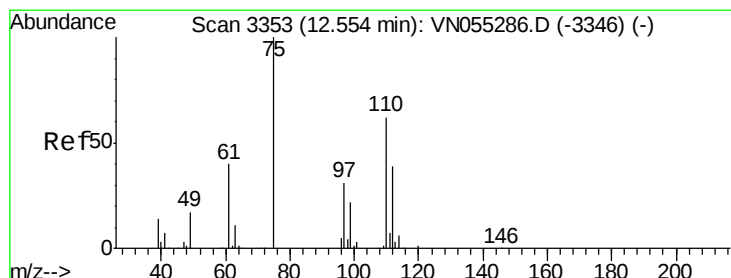
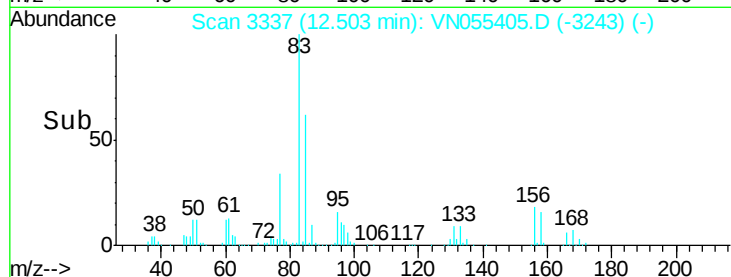
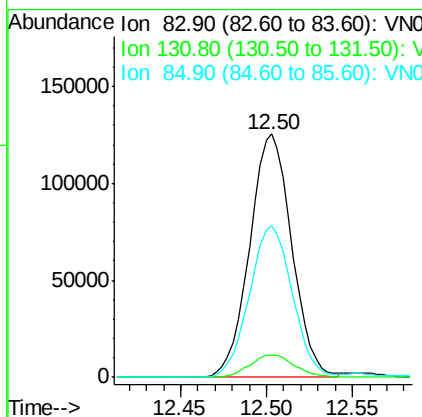
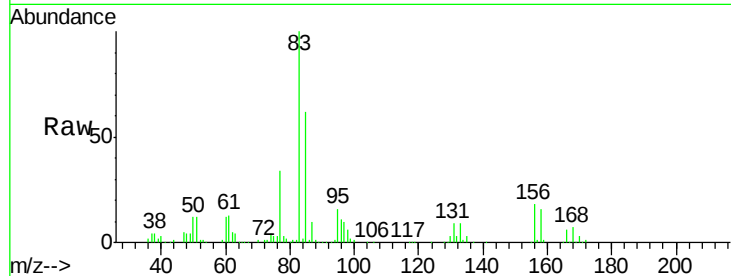
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	212593
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.2
85	63.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 40.900 ug/l m

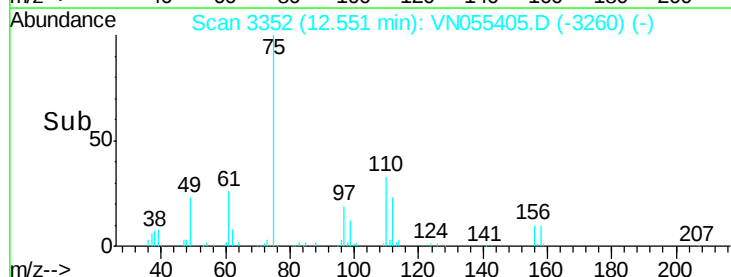
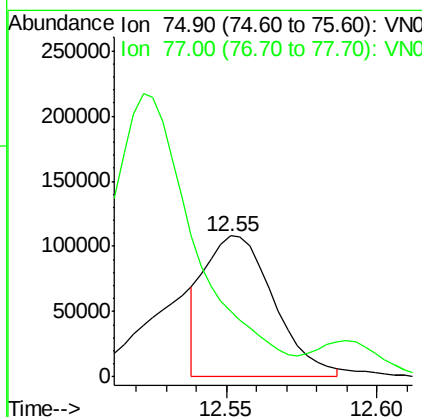
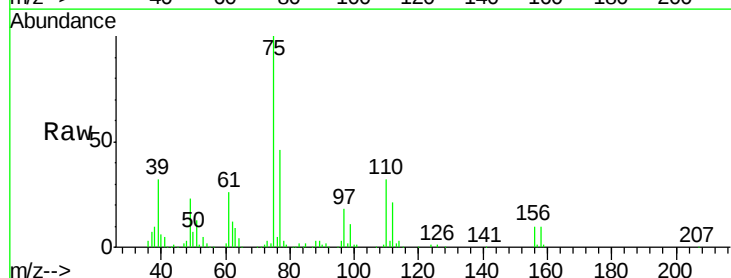
RT: 12.55 min Scan# 3352

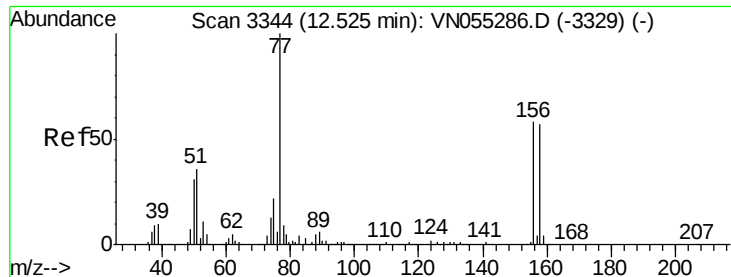
Delta R.T. -0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Tgt Ion:	75	Resp:	172447
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.522 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

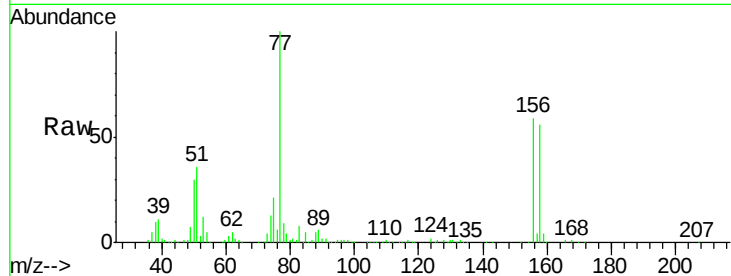
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	220183
Ion Ratio	Lower	Upper	
156	100		
77	198.5	99.6	298.8
158	95.7	49.3	147.8

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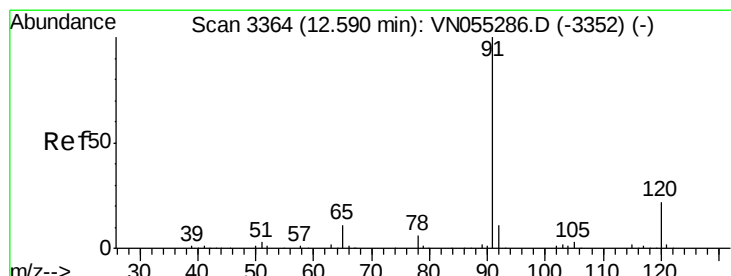
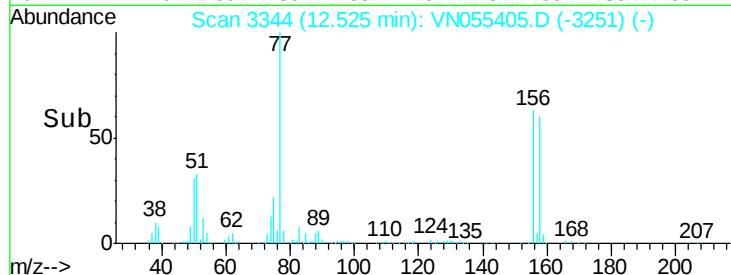
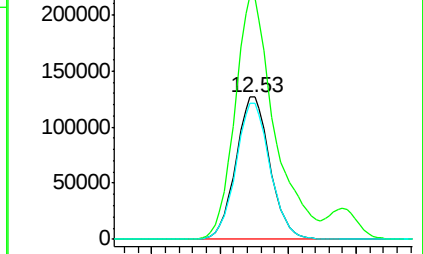
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.186 ug/l

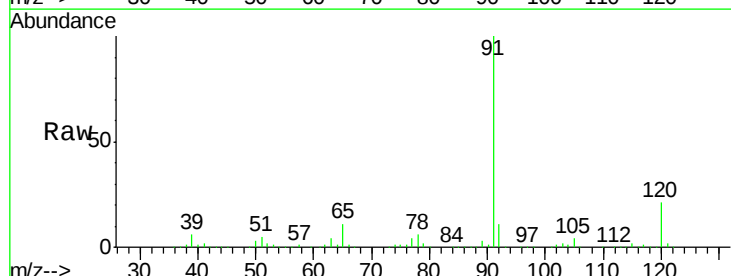
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055405.D

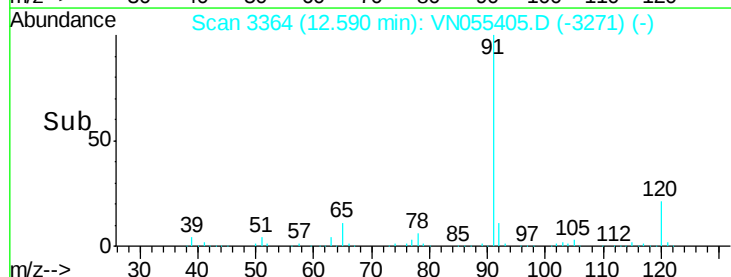
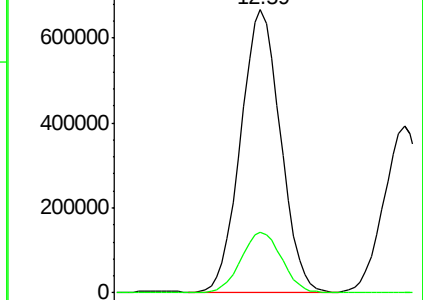
Acq: 6 May 2019 9:23

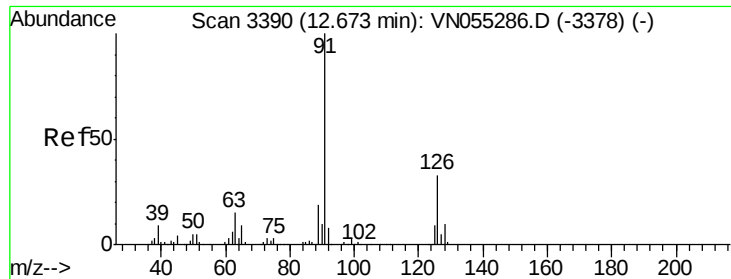
Tgt Ion:	91	Resp:	1064243
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.254 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 645314

Ion Ratio Lower Upper

91 100

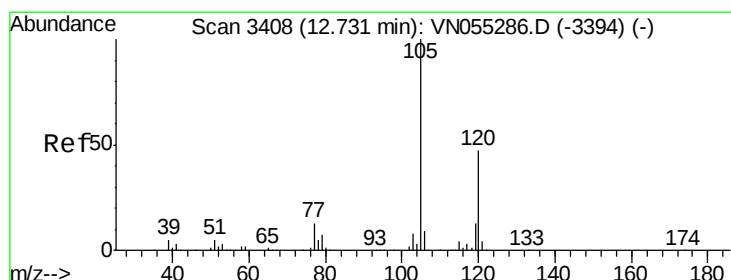
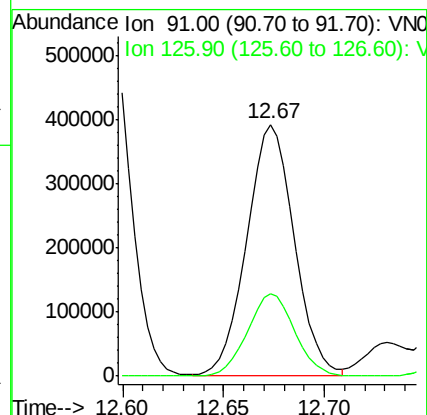
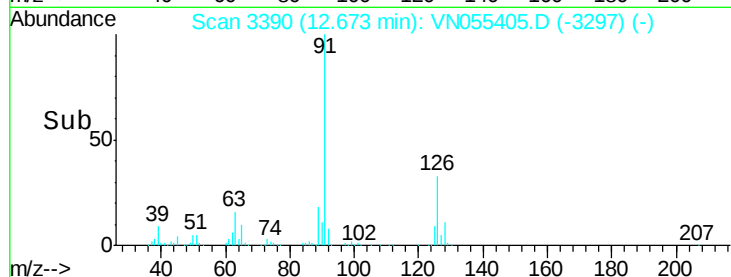
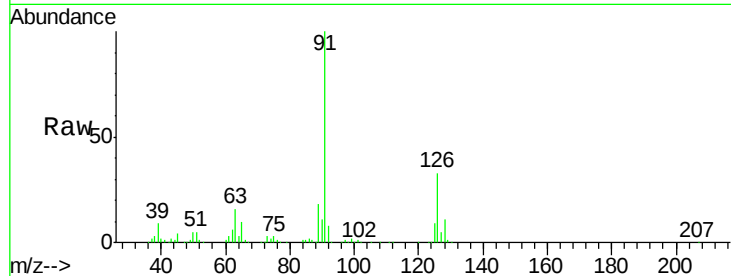
126 32.8 16.6 49.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 44.883 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055405.D

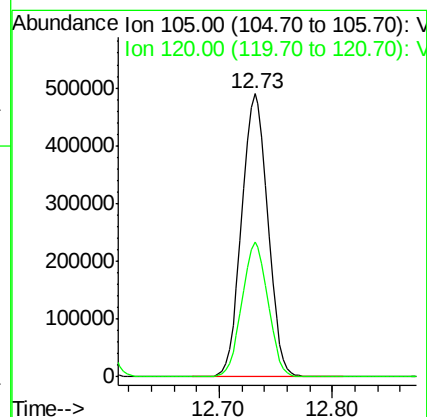
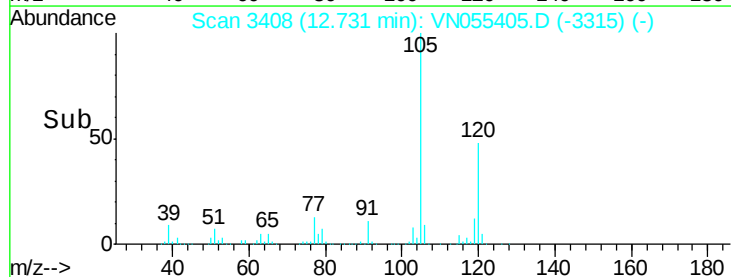
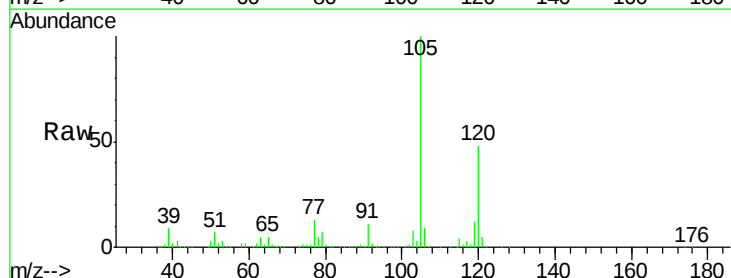
Acq: 6 May 2019 9:23

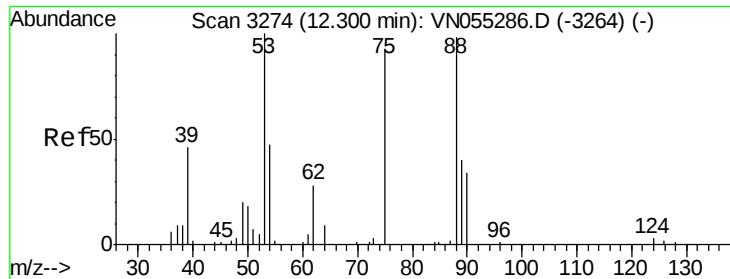
Tgt Ion: 105 Resp: 789306

Ion Ratio Lower Upper

105 100

120 47.5 23.4 70.0





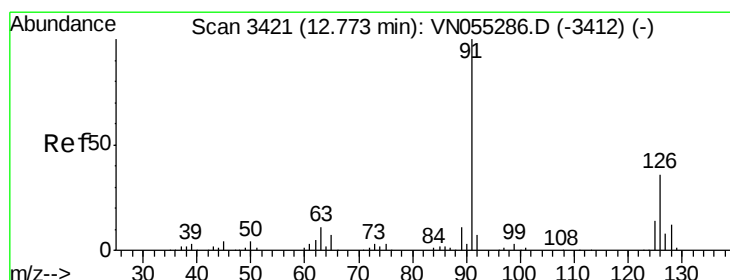
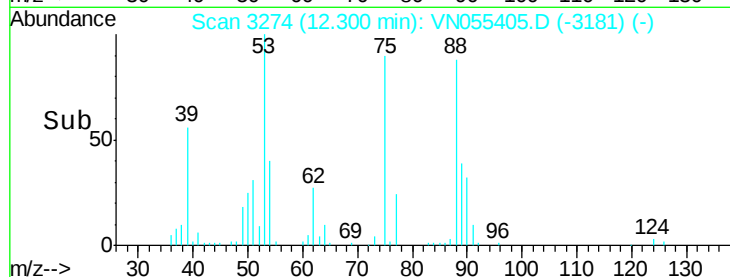
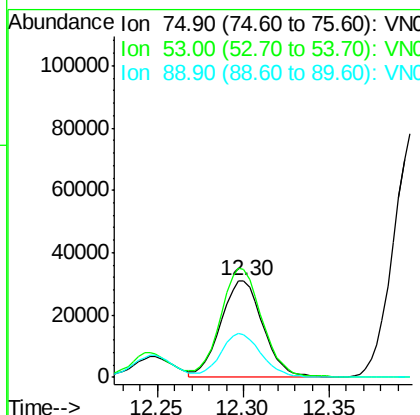
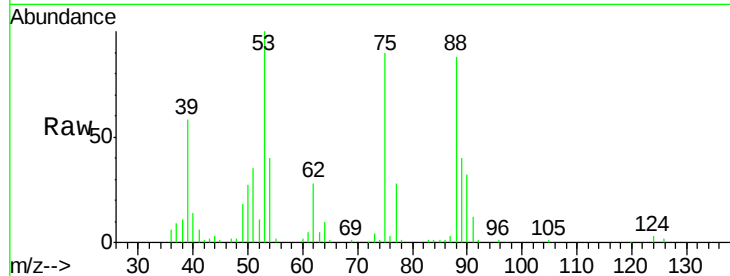
#81
trans-1,4-Dichloro-2-butene
Concen: 45.072 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.4	86.3	129.5
89	43.7	34.6	51.8

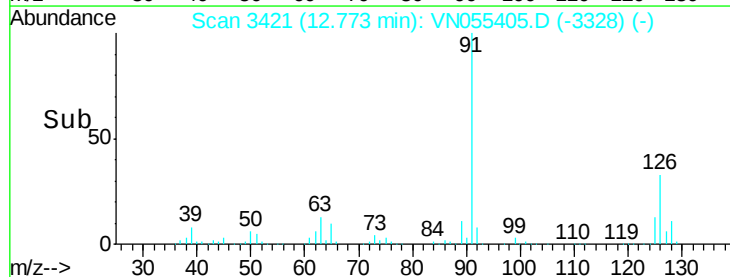
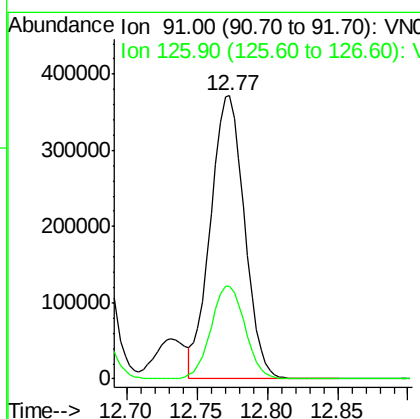
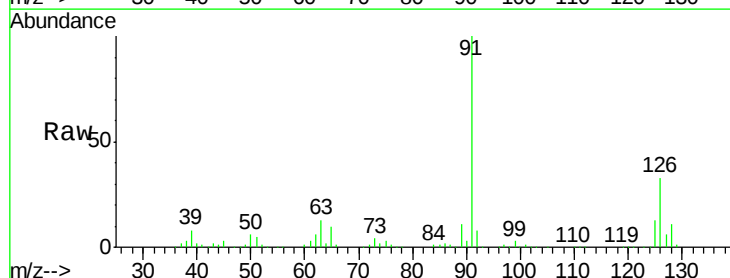
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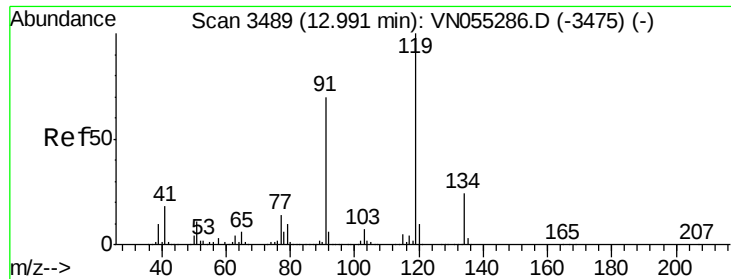
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#82
4-Chlorotoluene
Concen: 46.369 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.6	49.7





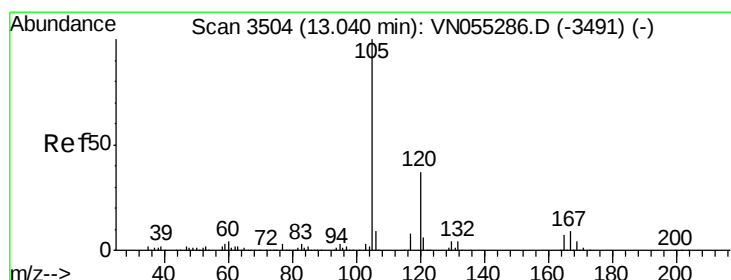
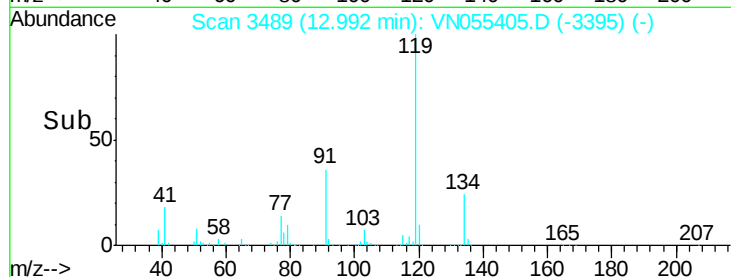
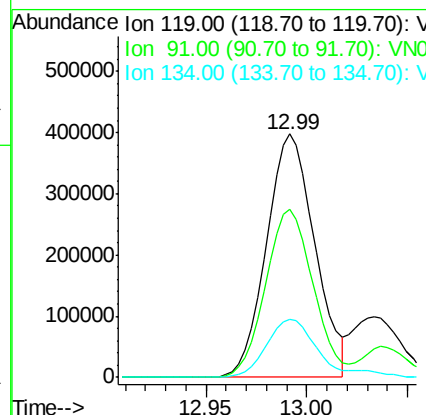
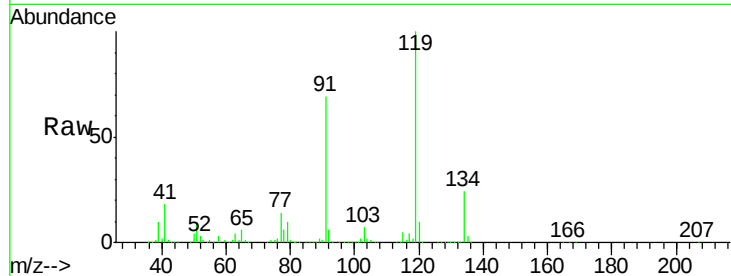
#83
tert-Butylbenzene
Concen: 53.442 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.3	102.9
134	25.9	13.1	39.3

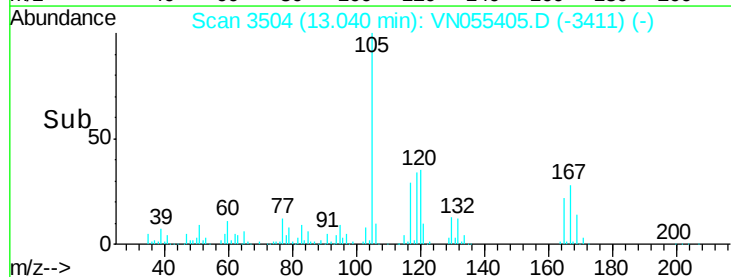
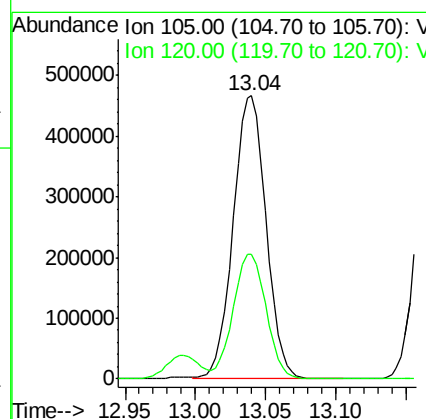
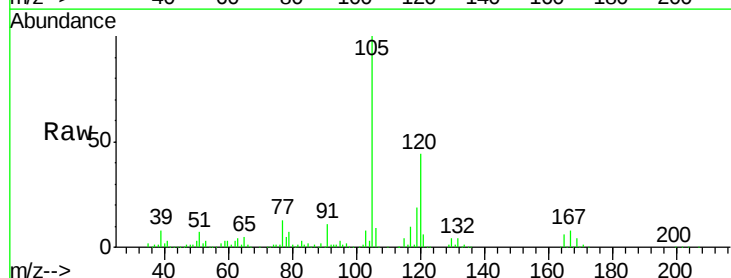
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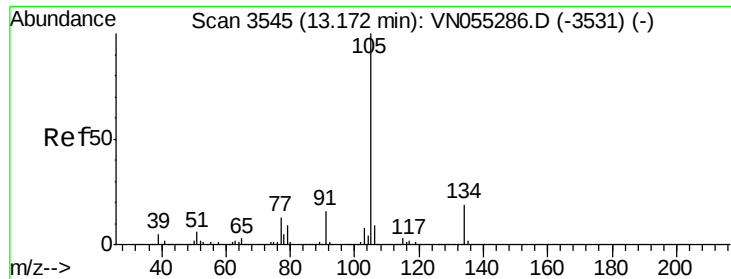
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#84
1,2,4-Trimethylbenzene
Concen: 48.322 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 45.898 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 877308

Ion Ratio Lower Upper

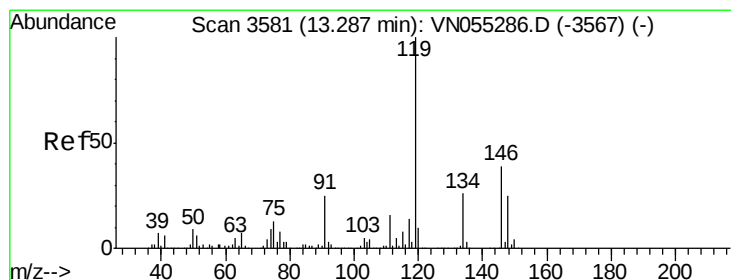
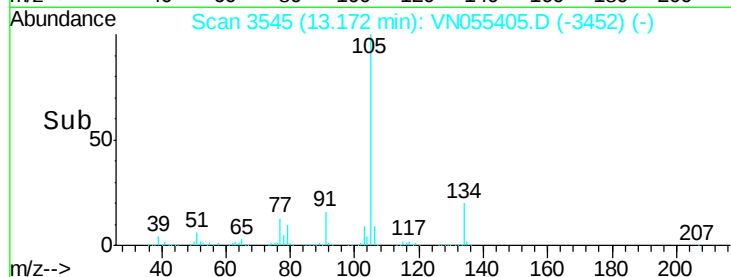
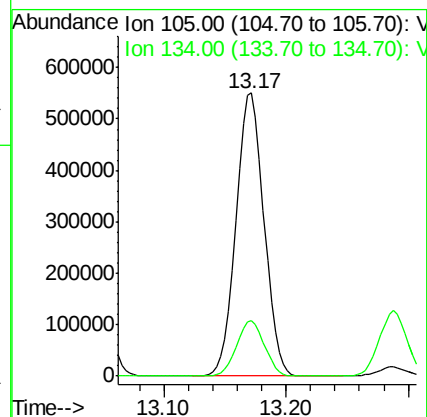
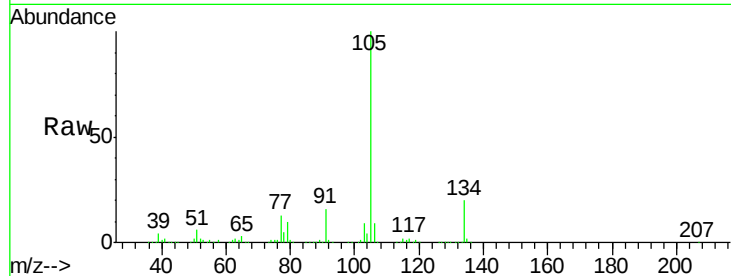
105 100

134 19.5 9.6 28.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 48.151 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

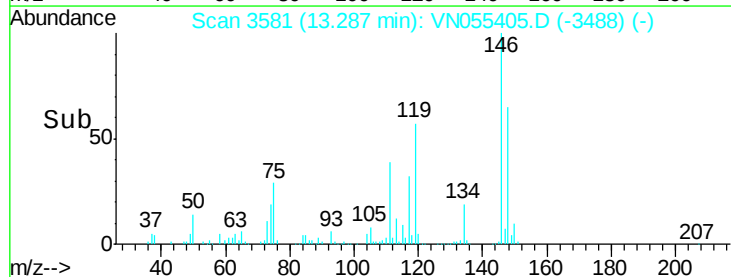
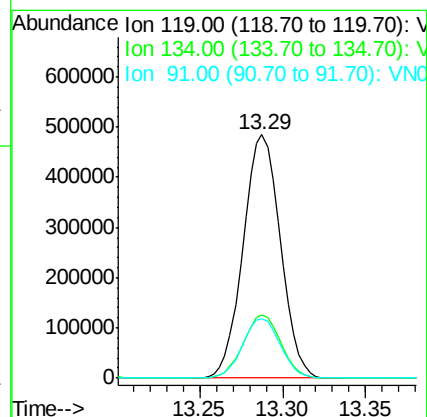
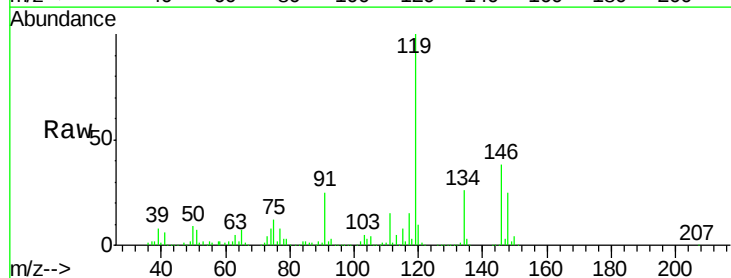
Tgt Ion:119 Resp: 756471

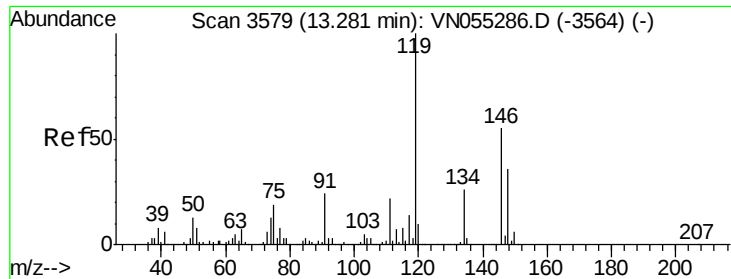
Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

91 24.6 12.2 36.6





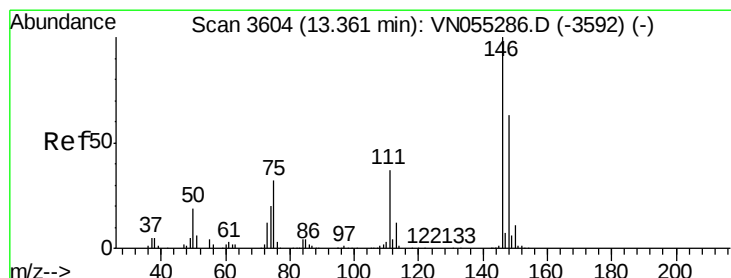
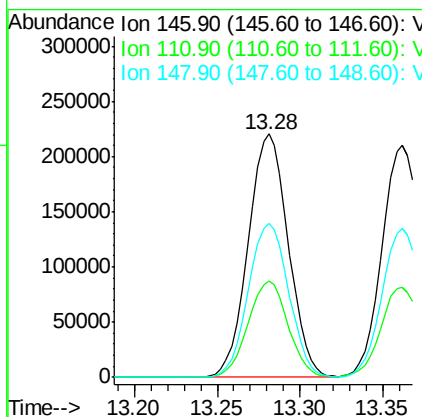
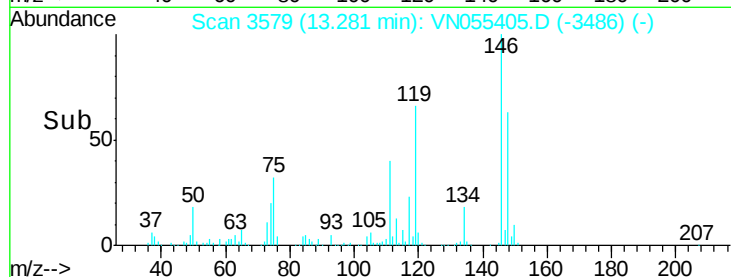
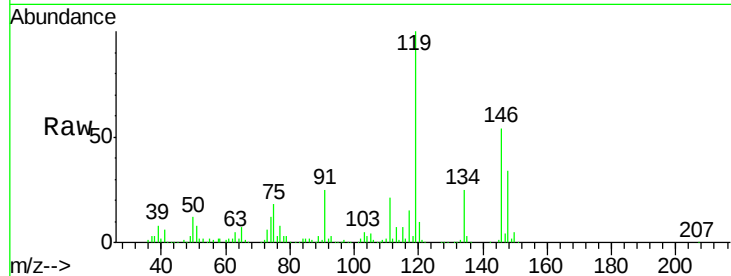
#87
 1,3-Dichlorobenzene
 Concen: 49.222 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	369476		
111	39.5	20.3	60.8	
148	64.2	32.5	97.5	

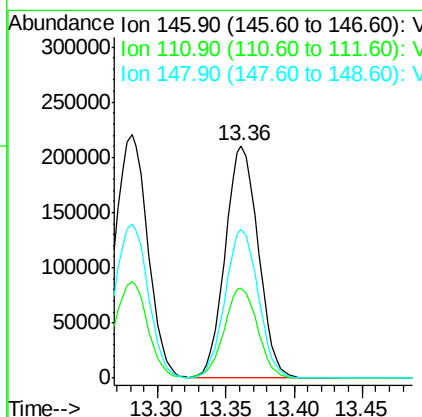
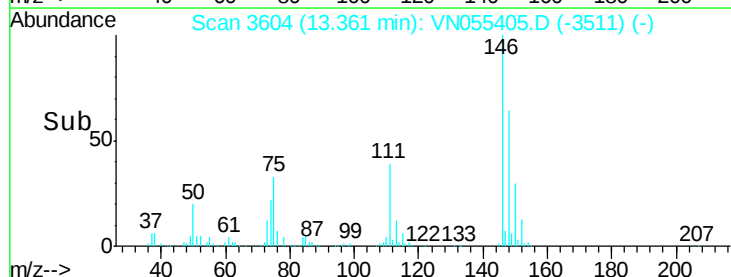
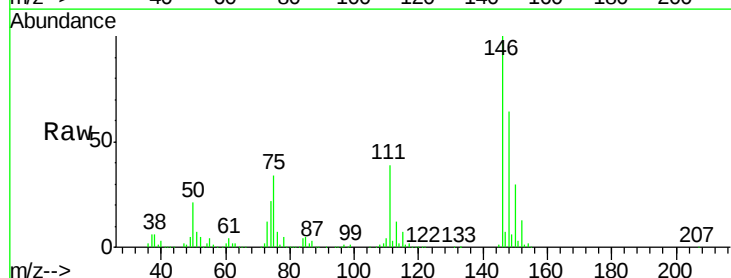
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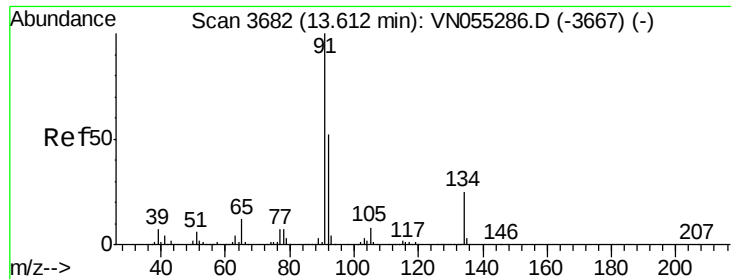
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#88
 1,4-Dichlorobenzene
 Concen: 50.220 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	355001		
111	38.9	19.5	58.5	
148	64.2	32.5	97.4	





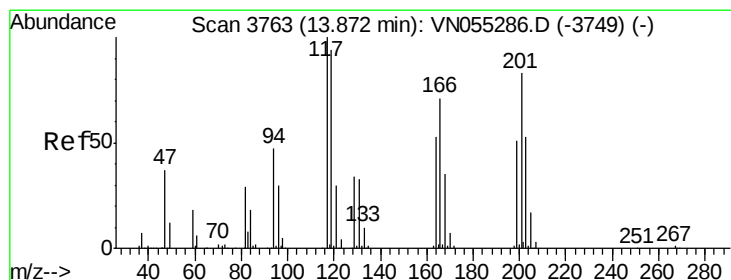
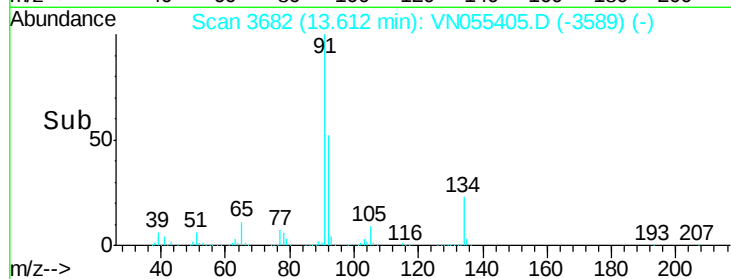
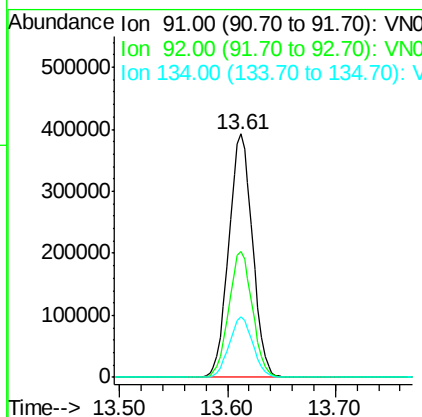
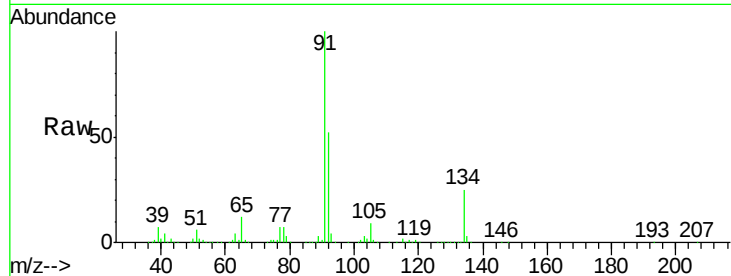
#89
n-Butylbenzene
Concen: 53.884 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.1	78.3
134	24.6	12.4	37.4

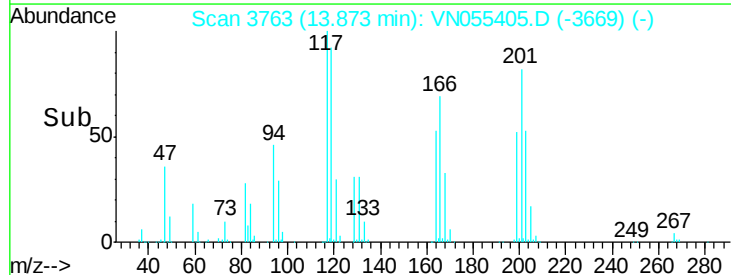
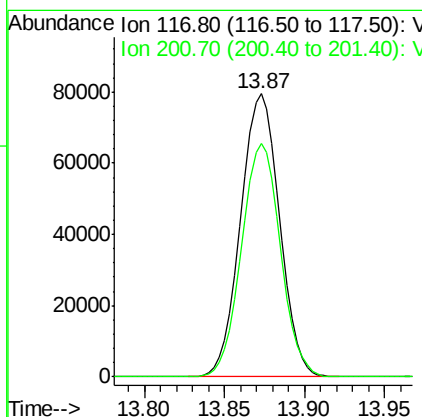
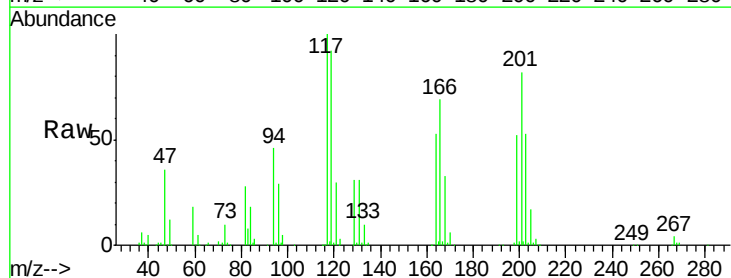
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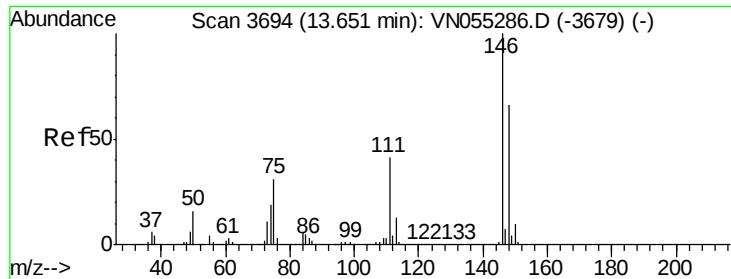
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#90
Hexachloroethane
Concen: 53.136 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.2	41.9	125.8





#91

1,2-Dichlorobenzene

Concen: 48.545 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

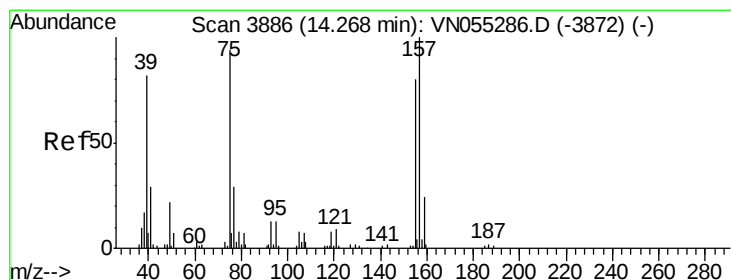
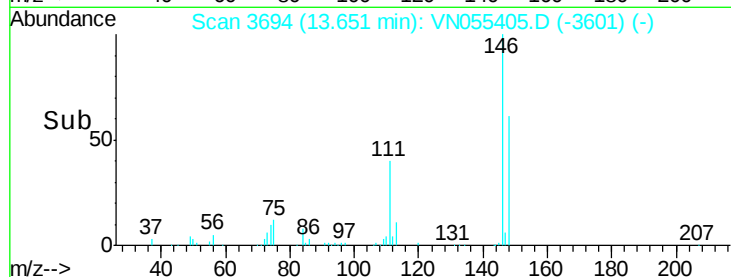
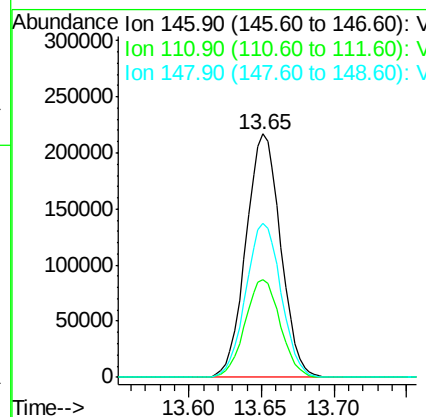
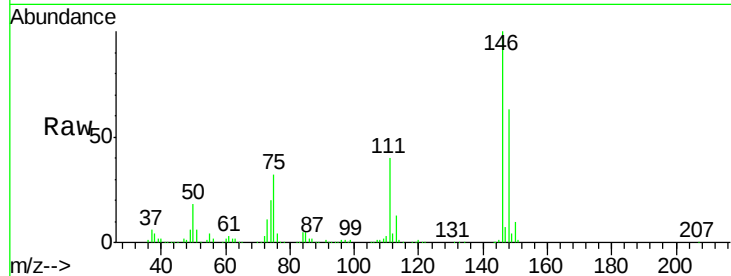
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	361159
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.3	61.0
148	64.3	32.4	97.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.306 ug/l

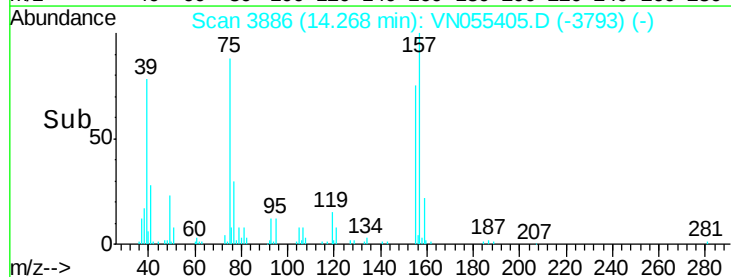
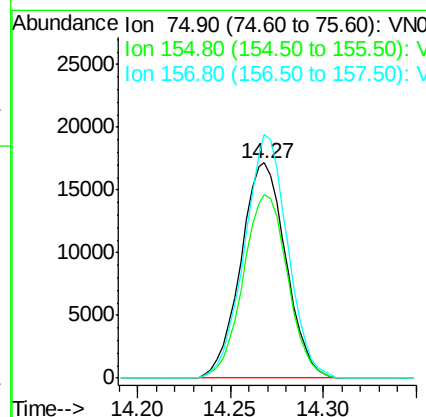
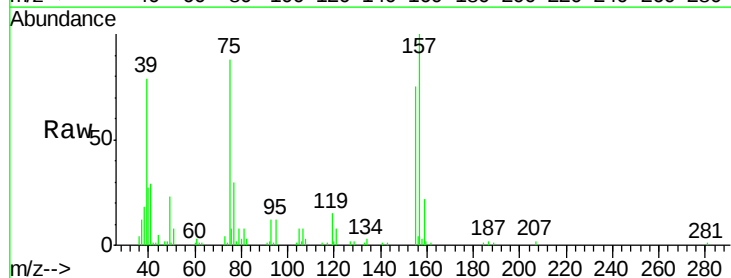
RT: 14.27 min Scan# 3886

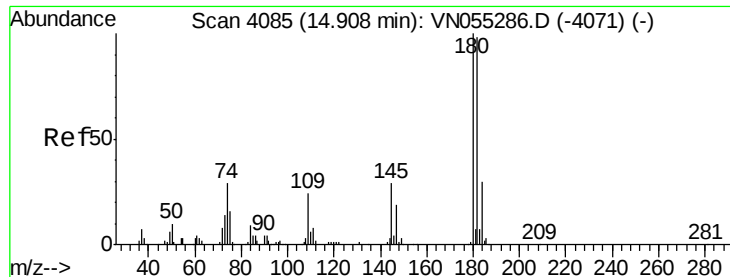
Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Tgt Ion:	75	Resp:	29098
Ion Ratio	Lower	Upper	
75	100		
155	83.8	41.5	124.6
157	107.9	54.0	162.2





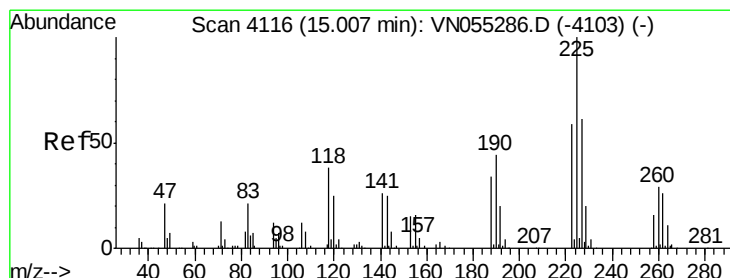
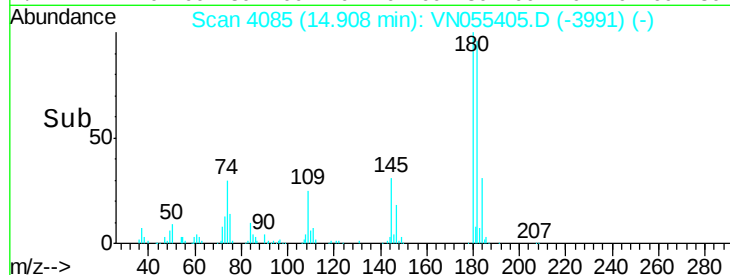
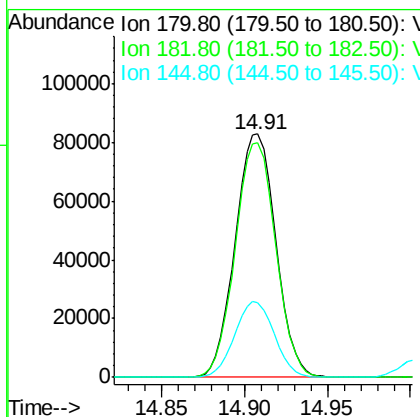
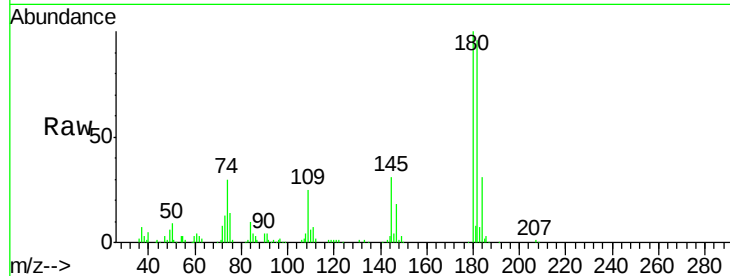
#93
 1,2,4-Trichlorobenzene
 Concen: 48.382 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	141569		
182	95.8	48.3	144.9	
145	30.3	14.2	42.6	

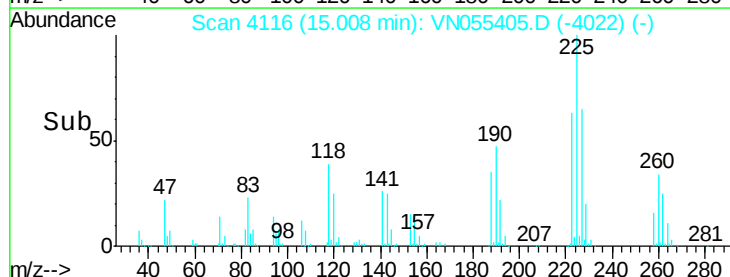
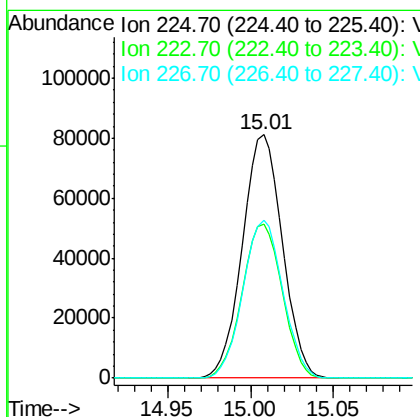
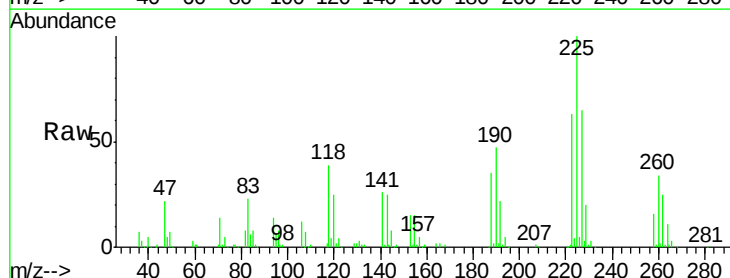
Manual Integrations
 APPROVED

MMDadoda
 5/7/2019 1:25:13 PM



#94
 Hexachlorobutadiene
 Concen: 61.529 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	136298		
223	63.3	30.3	90.8	
227	64.7	30.9	92.7	





#95

Naphthalene

Concen: 42.219 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

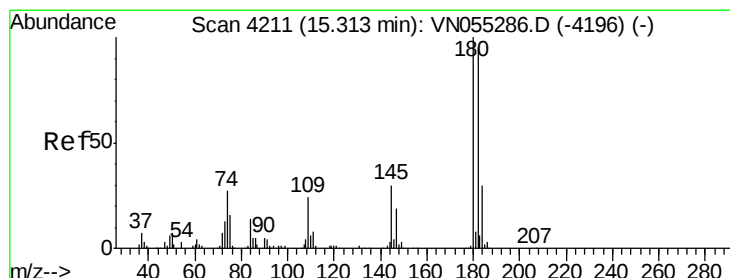
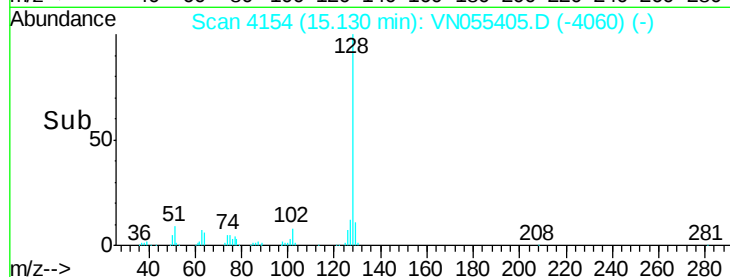
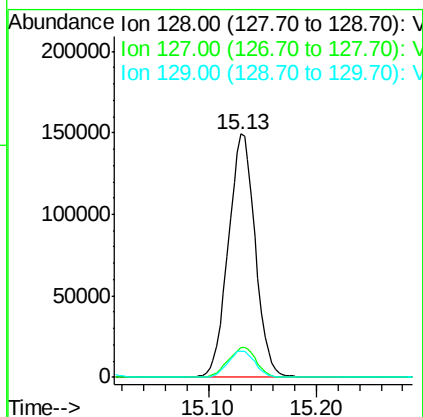
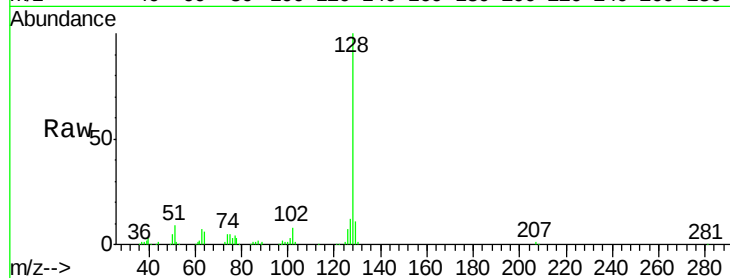
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	259780
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.7	16.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/7/2019 1:25:13 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.292 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Tgt Ion:	180	Resp:	139217
Ion Ratio	Lower	Upper	
180	100		
182	97.4	48.3	144.9
145	32.1	15.2	45.6

