

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050119\
 Data File : VN055317.D
 Acq On : 1 May 2019 9:47
 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
 5/2/2019 9:33:58 AM

Quant Time: May 02 08:23:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	403820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	627293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	539573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	228313	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	249484	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	7.59	113	200615	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	10.09	98	729636	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.40	95	247466	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	241127	48.736	ug/l	98
3) Chloromethane	2.06	50	276445	45.123	ug/l	99
4) Vinyl Chloride	2.19	62	225314	45.625	ug/l	99
5) Bromomethane	2.56	94	118420	45.270	ug/l	100
6) Chloroethane	2.70	64	119336	44.607	ug/l	99
7) Trichlorofluoromethane	3.02	101	327167	46.590	ug/l	100
8) Diethyl Ether	3.41	74	113057	46.017	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	194874	46.602	ug/l	98
10) Methyl Iodide	3.95	142	280473	47.659	ug/l	100
11) Tert butyl alcohol	4.78	59	67831	224.265	ug/l	99
12) 1,1-Dichloroethene	3.74	96	186295	46.701	ug/l	99
13) Acrolein	3.61	56	53334	225.791	ug/l	98
14) Allyl chloride	4.32	41	384024	46.482	ug/l	100
15) Acrylonitrile	4.99	53	398804	234.578	ug/l	100
16) Acetone	3.82	43	417663	253.732	ug/l	100
17) Carbon Disulfide	4.05	76	487975	46.874	ug/l	99
18) Methyl Acetate	4.33	43	196363	48.948	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	524136	46.738	ug/l	99
20) Methylene Chloride	4.55	84	216518	43.094	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	194832	46.117	ug/l	96
22) Diisopropyl ether	5.95	45	790695	48.168	ug/l	100
23) Vinyl Acetate	5.90	43	2650926	246.401	ug/l	100
24) 1,1-Dichloroethane	5.85	63	406081	46.429	ug/l	99
25) 2-Butanone	6.83	43	520318	247.168	ug/l	100
26) 2,2-Dichloropropane	6.82	77	284858	47.165	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	227354	47.323	ug/l	98
28) Bromochloromethane	7.19	49	205216	46.548	ug/l	99
29) Tetrahydrofuran	7.21	42	319318	236.889	ug/l	99
30) Chloroform	7.37	83	383691	46.278	ug/l	100
31) Cyclohexane	7.65	56	371097	44.658	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	317363	47.164	ug/l	98
36) 1,1-Dichloropropene	7.79	75	288310	47.984	ug/l	99
37) Ethyl Acetate	6.93	43	211976	46.032	ug/l	99
38) Carbon Tetrachloride	7.77	117	273375	47.166	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	314707	49.263	ug/l	98
40) Benzene	8.04	78	858627	48.475	ug/l	99
41) Methacrylonitrile	7.18	41	128923	51.703	ug/l #	91
42) 1,2-Dichloroethane	8.12	62	295974	47.179	ug/l	99
43) Isopropyl Acetate	8.16	43	371311	50.174	ug/l #	86
44) Trichloroethene	8.83	130	212784	47.123	ug/l	100
45) 1,2-Dichloropropane	9.12	63	246528	48.257	ug/l	98
46) Dibromomethane	9.21	93	134168	48.048	ug/l	99
47) Bromodichloromethane	9.40	83	294962	49.238	ug/l	97
48) Methyl methacrylate	9.20	41	172968	47.543	ug/l	96
49) 1,4-Dioxane	9.20	88	39474	1049.607	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1030960	247.434	ug/l	99
52) Toluene	10.16	92	504604	49.651	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	276571	53.183	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	336020	51.824	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	185746	49.218	ug/l	98
56) Ethyl methacrylate	10.43	69	235310	50.657	ug/l	100
57) 1,3-Dichloropropane	10.71	76	328907	49.680	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	341451	237.507	ug/l	99
59) 2-Hexanone	10.75	43	674551	258.747	ug/l	98
60) Dibromochloromethane	10.90	129	197073	51.093	ug/l	97
61) 1,2-Dibromoethane	11.00	107	175521	50.318	ug/l	100
64) Tetrachloroethene	10.63	164	210362	47.674	ug/l	98
65) Chlorobenzene	11.43	112	512811	48.610	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	193498	46.843	ug/l	98
67) Ethyl Benzene	11.51	91	951604	49.953	ug/l	99
68) m/p-Xylenes	11.62	106	702181	103.265	ug/l	98
69) o-Xylene	11.95	106	343769	51.006	ug/l	99
70) Styrene	11.96	104	568308	54.918	ug/l	100
71) Bromoform	12.13	173	122564	53.472	ug/l #	98
73) Isopropylbenzene	12.25	105	920712	50.727	ug/l	100
74) N-amyl acetate	12.07	43	279083	47.630	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	219871	48.510	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	178791m	41.713	ug/l	
77) Bromobenzene	12.52	156	219655	50.454	ug/l	99
78) n-propylbenzene	12.59	91	1035896	44.170	ug/l	100
79) 2-Chlorotoluene	12.67	91	635973	51.476	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	790494	44.164	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	56689	47.054	ug/l	100
82) 4-Chlorotoluene	12.77	91	620915	45.535	ug/l	99
83) tert-Butylbenzene	12.99	119	658434	52.093	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	754740	47.148	ug/l	99
85) sec-Butylbenzene	13.17	105	860720	44.243	ug/l	99
86) p-Isopropyltoluene	13.29	119	751929	47.025	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	371136	48.578	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	355976	49.477	ug/l	99
89) n-Butylbenzene	13.61	91	605155	53.260	ug/l	100
90) Hexachloroethane	13.87	117	125137	49.407	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	362309	47.848	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31021	51.645	ug/l	97

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VSTDCCC050

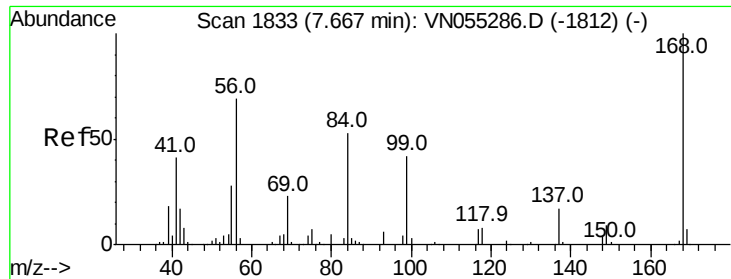
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	141269	47.500	ug/l	97
94) Hexachlorobutadiene	15.01	225	135233	59.906	ug/l	98
95) Naphthalene	15.13	128	266314	42.500	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	142542	48.565	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 403820

Ion Ratio Lower Upper

168 100

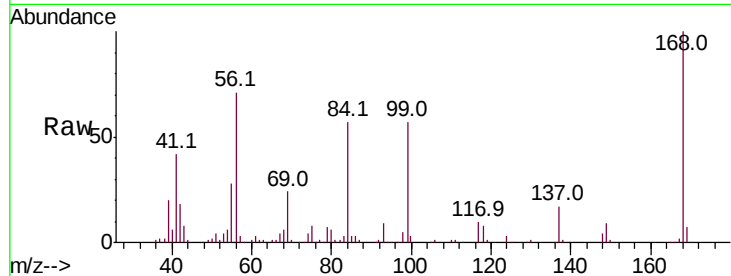
99 56.3 43.6 65.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

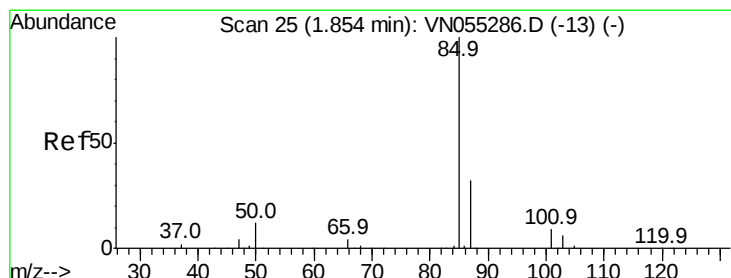
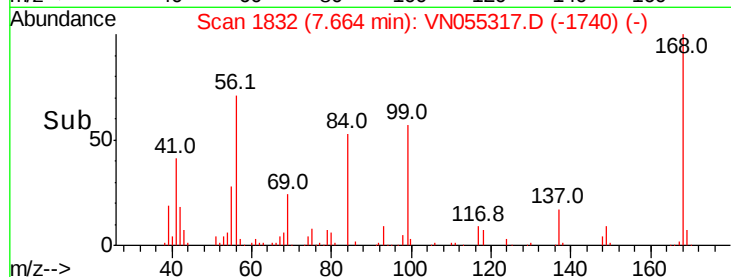
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 48.736 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055317.D

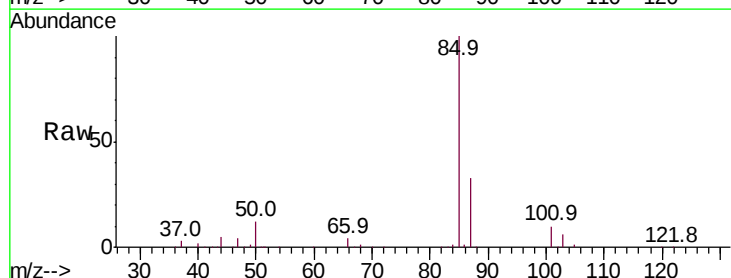
Acq: 1 May 2019 9:47

Tgt Ion: 85 Resp: 241127

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

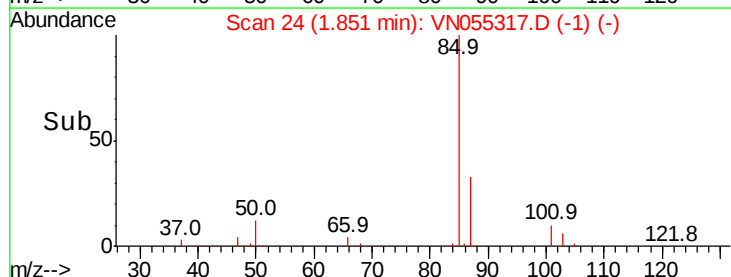
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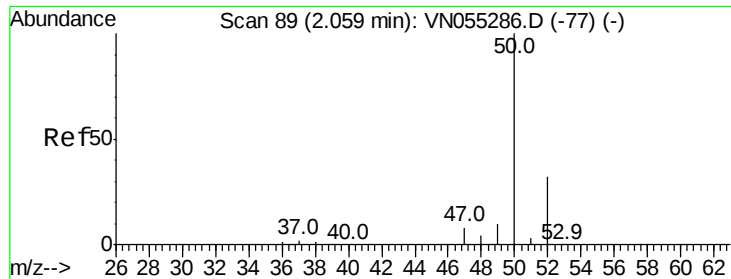
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 45.123 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 276445

Ion Ratio Lower Upper

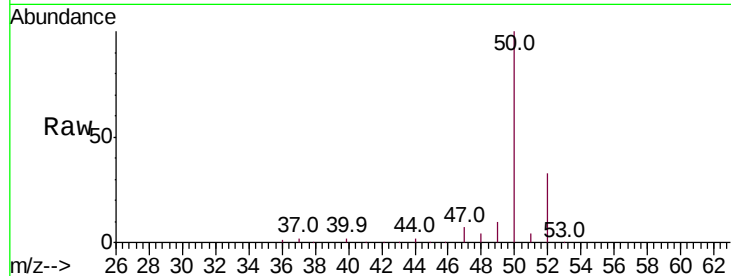
50 100

52 32.8 25.7 38.5

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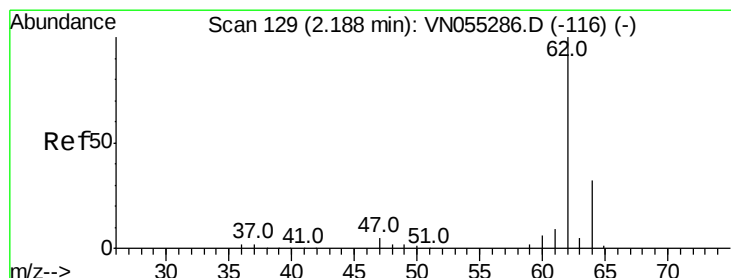
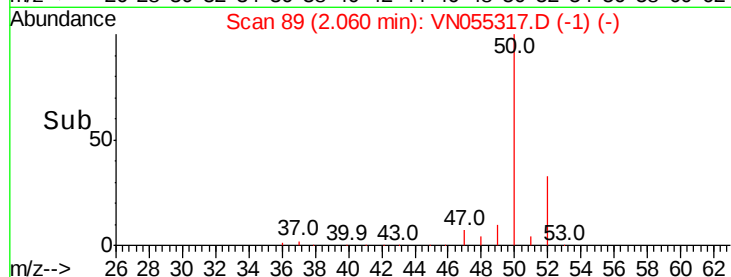
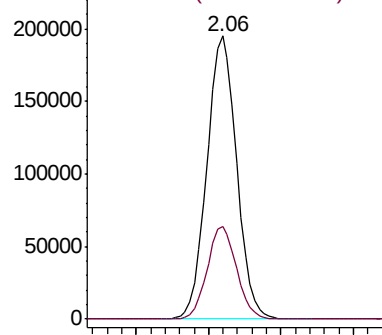
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.625 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055317.D

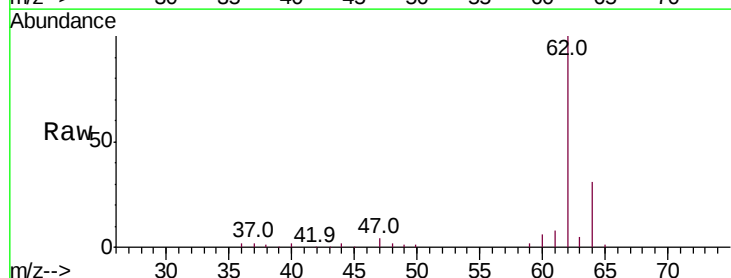
Acq: 1 May 2019 9:47

Tgt Ion: 62 Resp: 225314

Ion Ratio Lower Upper

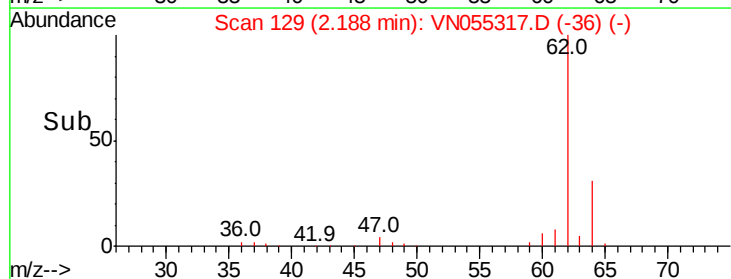
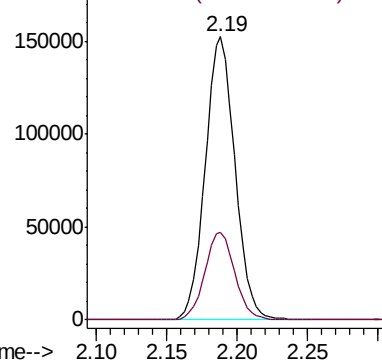
62 100

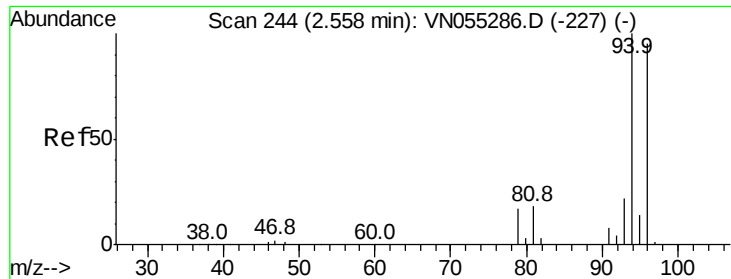
64 31.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





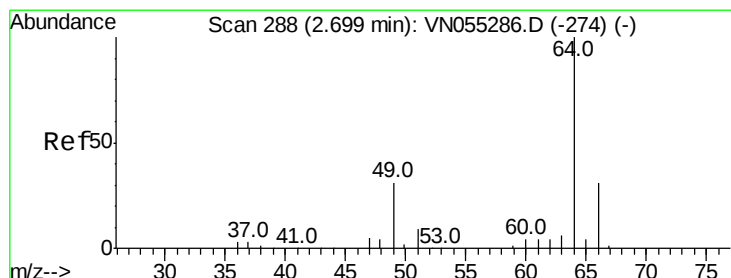
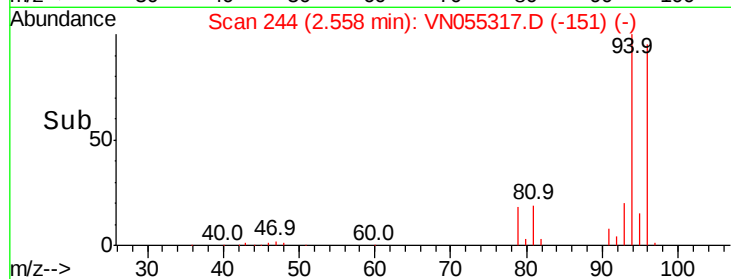
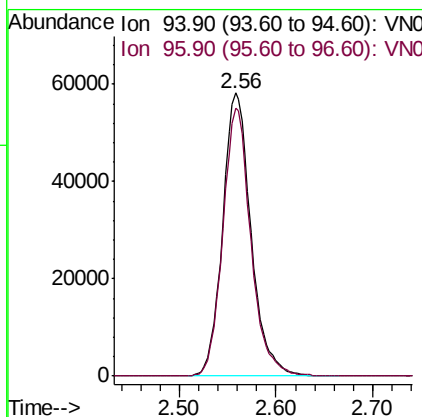
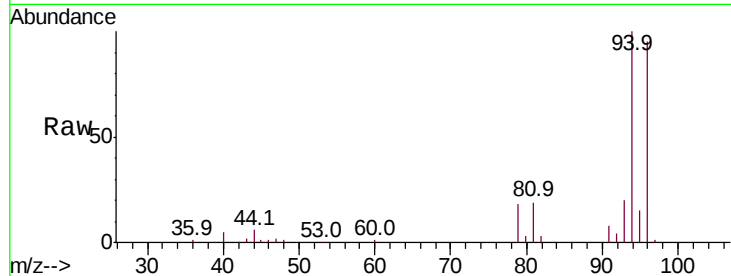
#5
Bromomethane
Concen: 45.270 ug/l
RT: 2.56 min Scan# 244
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
94	100		
96	94.7	76.0	114.0

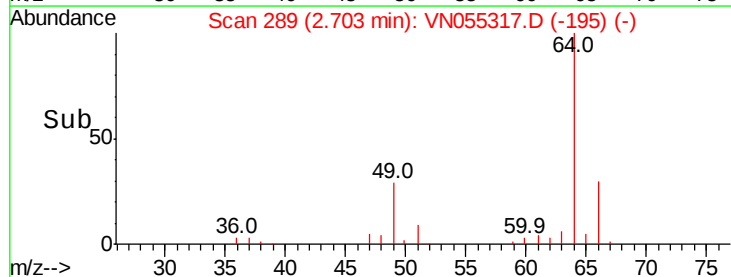
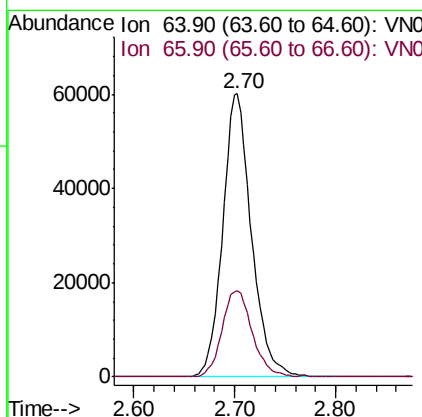
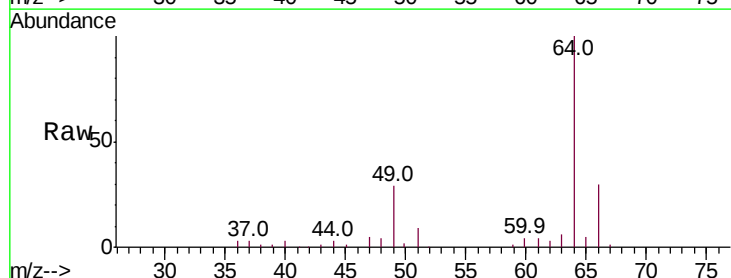
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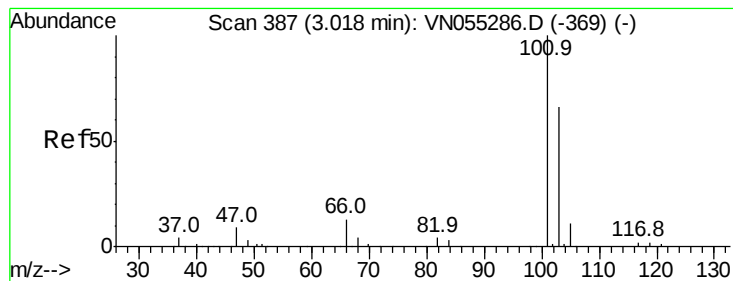
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#6
Chloroethane
Concen: 44.607 ug/l
RT: 2.70 min Scan# 289
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Lower	Upper
64	100		
66	30.4	25.0	37.4





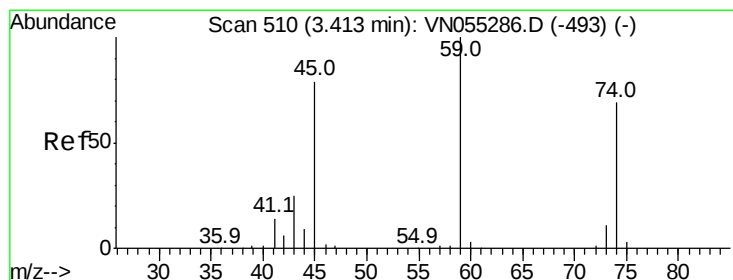
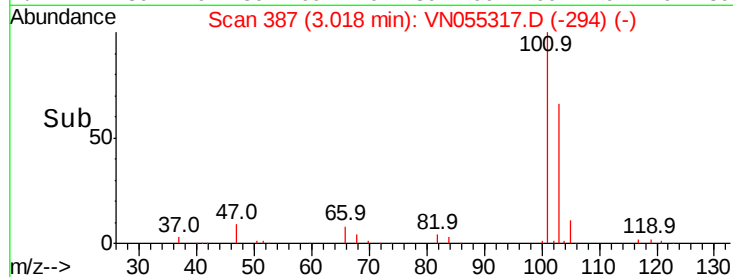
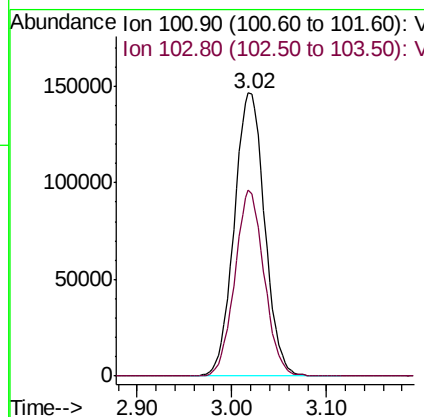
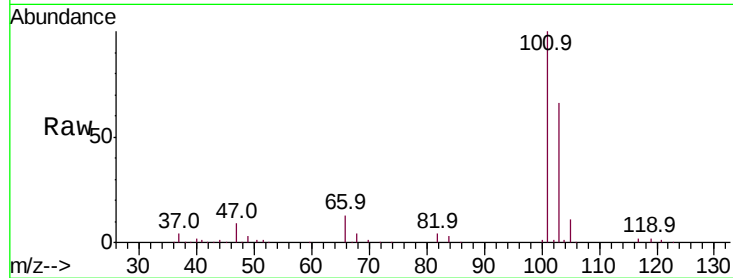
#7
 Trichlorofluoromethane
 Concen: 46.590 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 327167
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.6 79.0

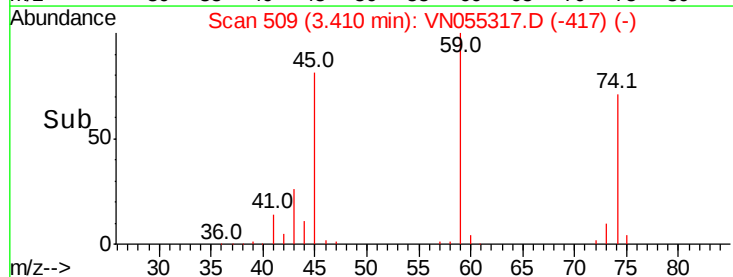
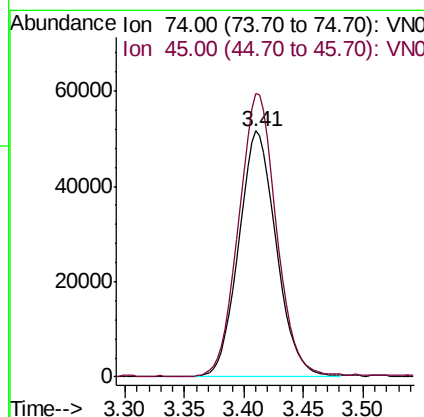
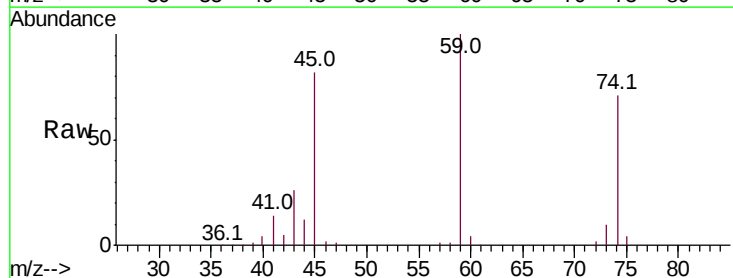
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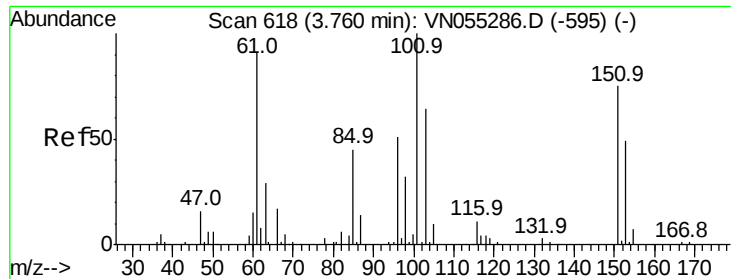
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 5/2/2019 9:33:58 AM



#8
 Diethyl Ether
 Concen: 46.017 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Tgt Ion: 74 Resp: 113057
 Ion Ratio Lower Upper
 74 100
 45 116.2 58.9 176.6





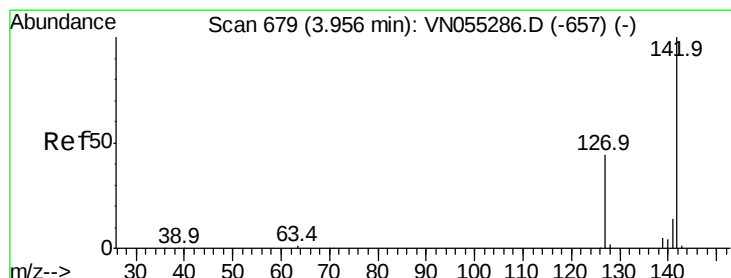
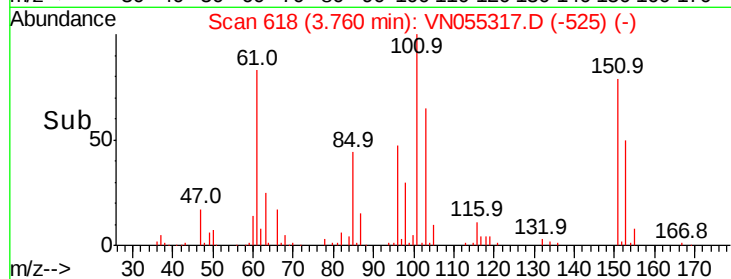
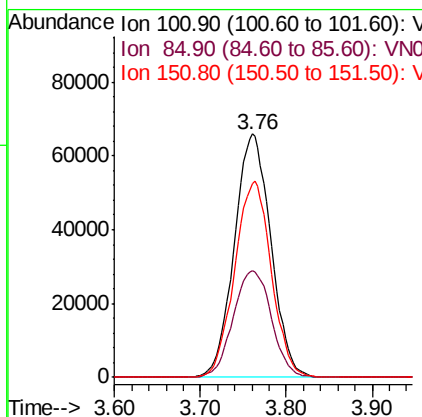
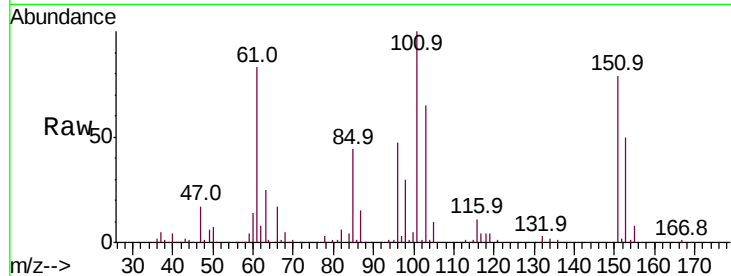
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.602 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	101	Resp:	194874
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.7	53.5
151	80.6	63.3	94.9

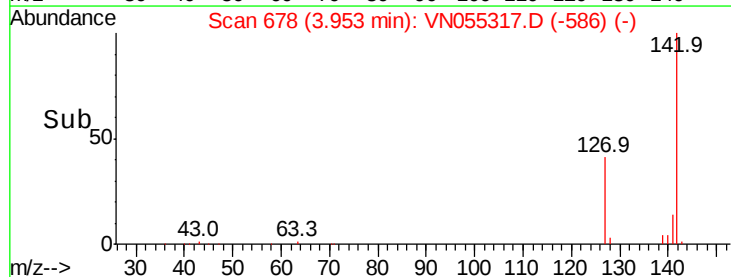
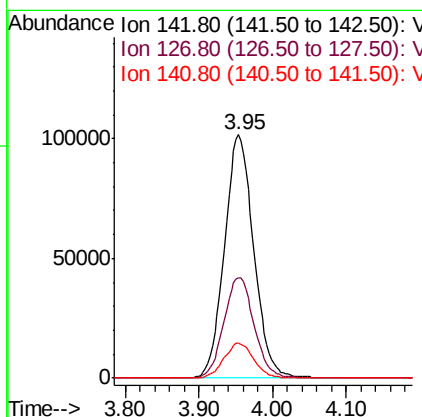
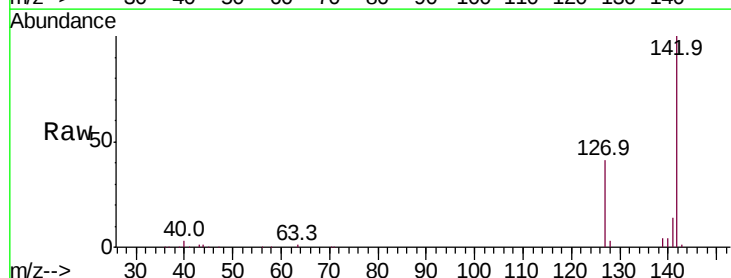
Manual Integrations
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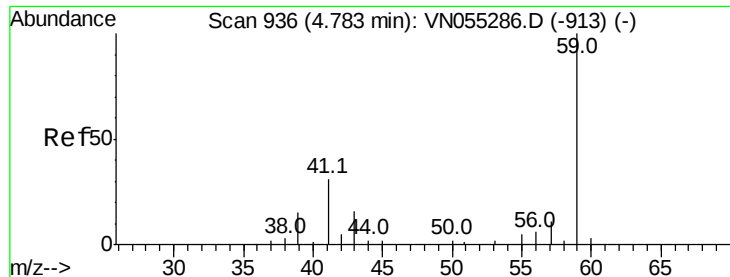
MMDadoda
 5/2/2019 9:33:58 AM



#10
 Methyl Iodide
 Concen: 47.659 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Tgt Ion:	142	Resp:	280473
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.4	51.6
141	14.6	11.5	17.3





#11

Tert butyl alcohol

Concen: 224.265 ug/l

RT: 4.78 min Scan# 935

Delta R.T. -0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

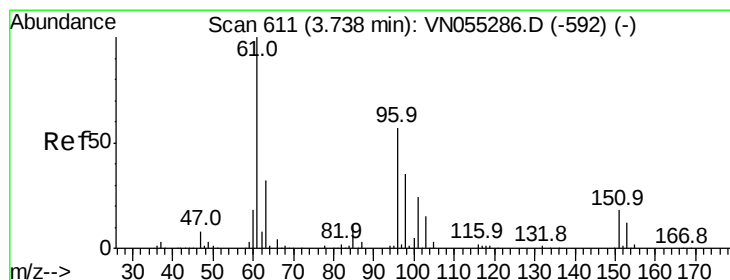
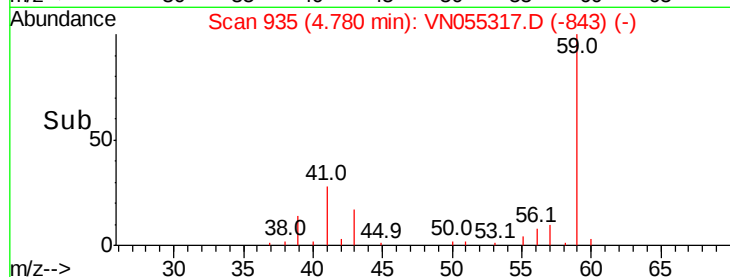
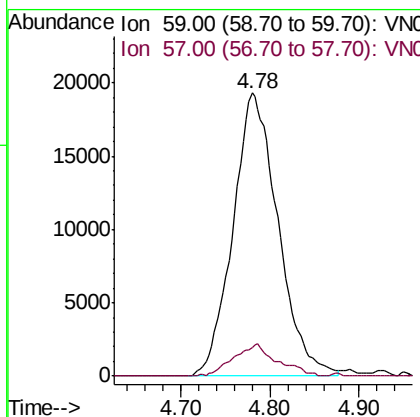
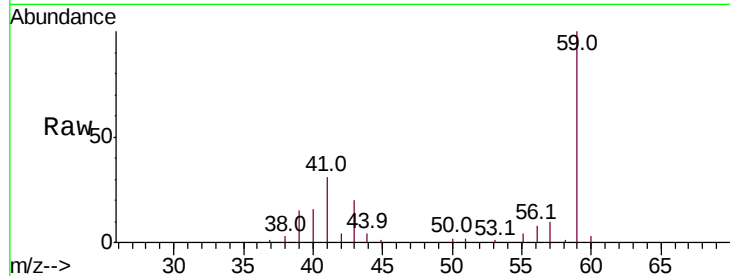
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 67831

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.2

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#12

1,1-Dichloroethene

Concen: 46.701 ug/l

RT: 3.74 min Scan# 611

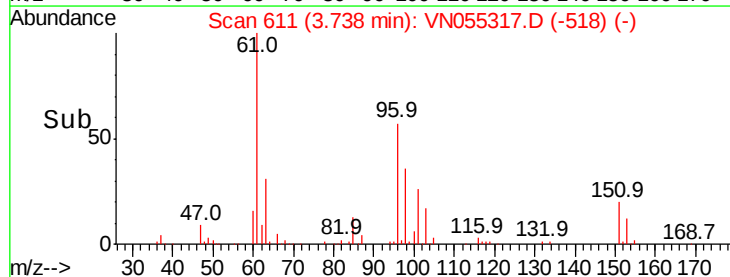
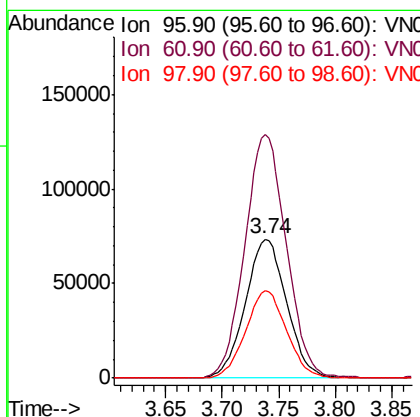
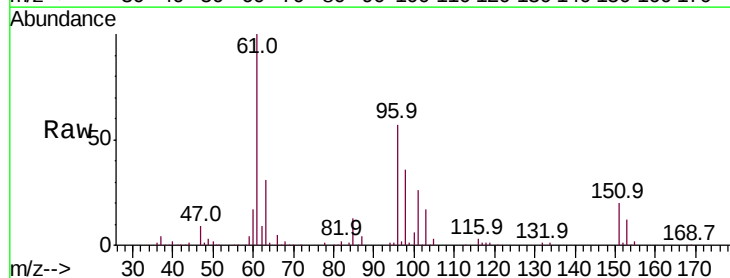
Delta R.T. 0.00 min

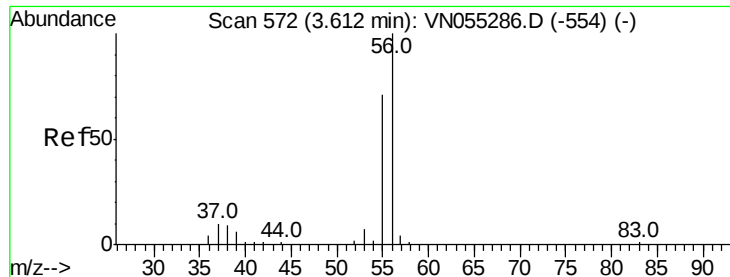
Lab File: VN055317.D

Acq: 1 May 2019 9:47

Tgt Ion: 96 Resp: 186295

Ion	Ratio	Lower	Upper
96	100		
61	175.0	140.9	211.3
98	62.7	50.0	75.0





#13

Acrolein

Concen: 225.791 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 53334

Ion Ratio Lower Upper

56 100

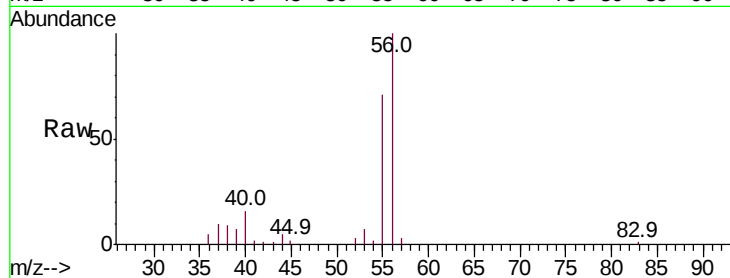
55 73.4 57.4 86.2

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5/2/2019 9:33:58 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.61

20000

15000

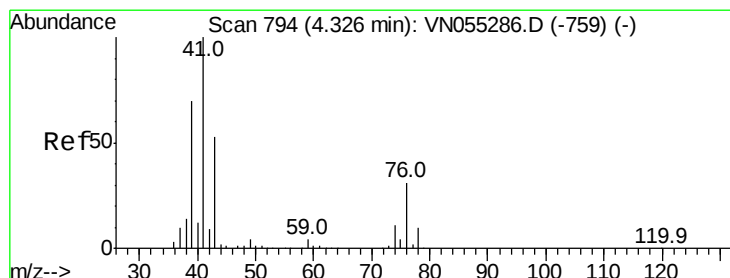
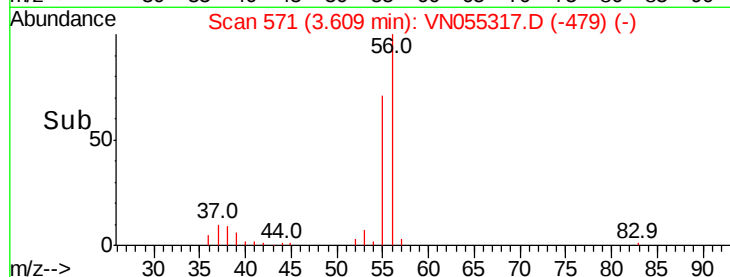
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 46.482 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

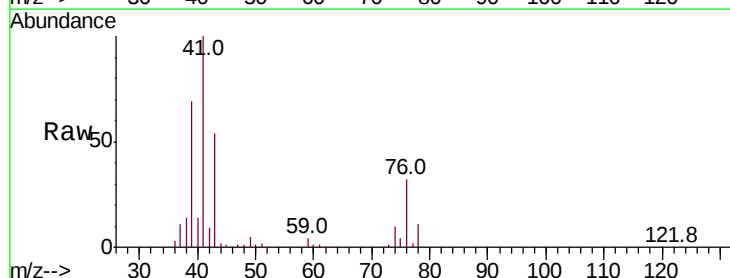
Tgt Ion: 41 Resp: 384024

Ion Ratio Lower Upper

41 100

39 66.2 53.0 79.6

76 28.6 22.7 34.1



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.32

150000

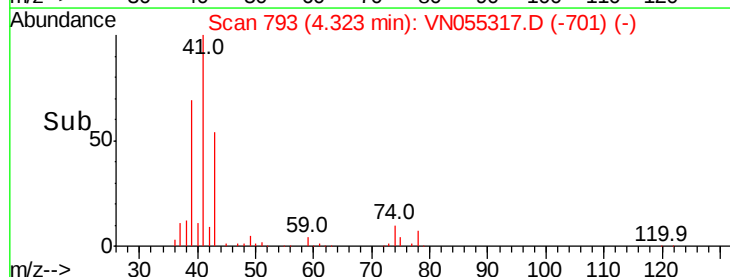
100000

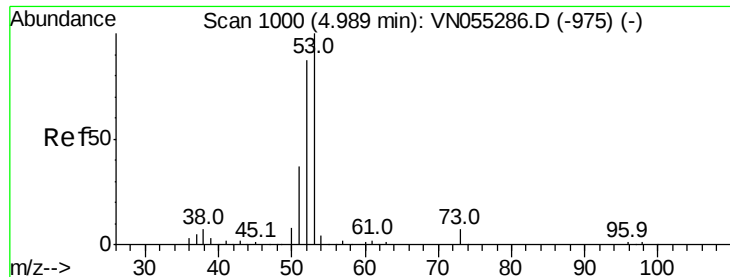
50000

0

Time-->

4.10 4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 234.578 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Instrument :

MSVOA_N

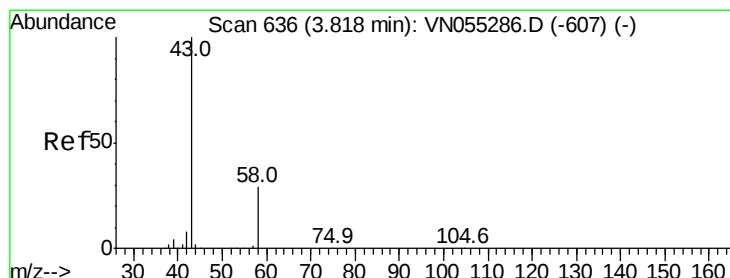
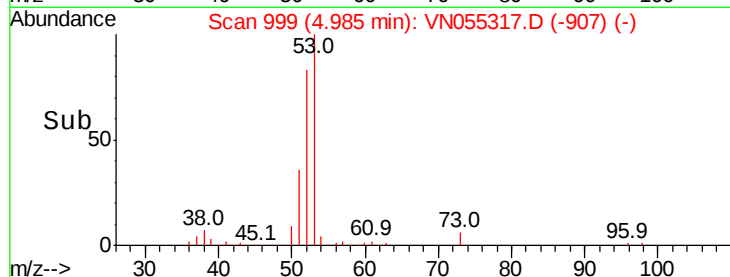
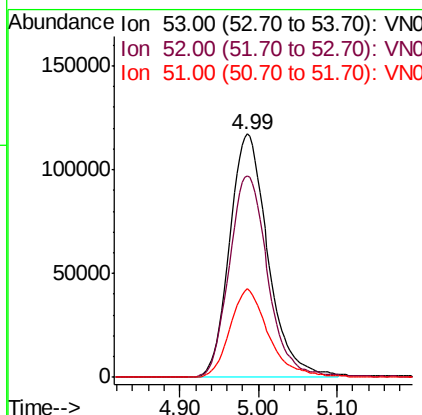
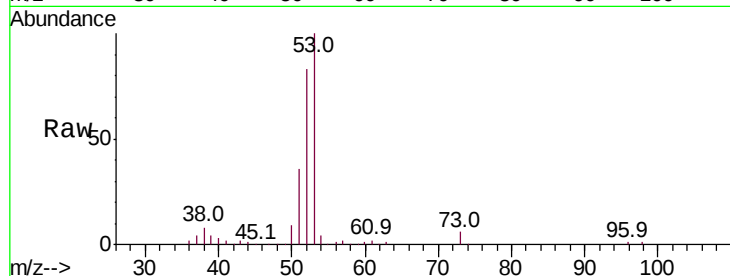
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	398804
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.5	99.7
51	36.5	29.6	44.4

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#16

Acetone

Concen: 253.732 ug/l

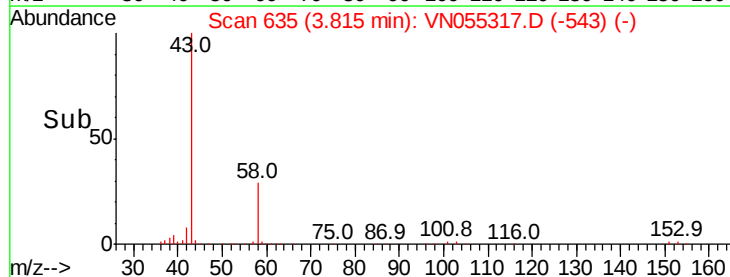
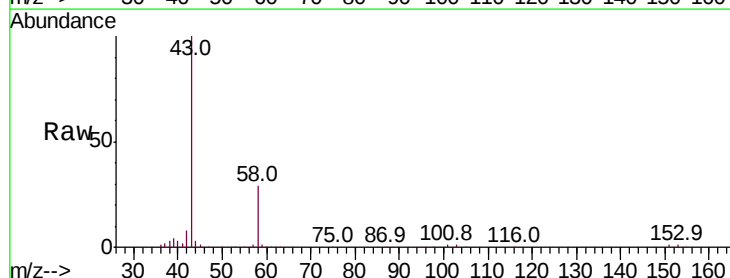
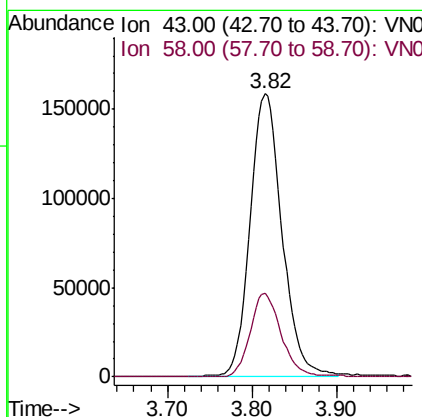
RT: 3.82 min Scan# 635

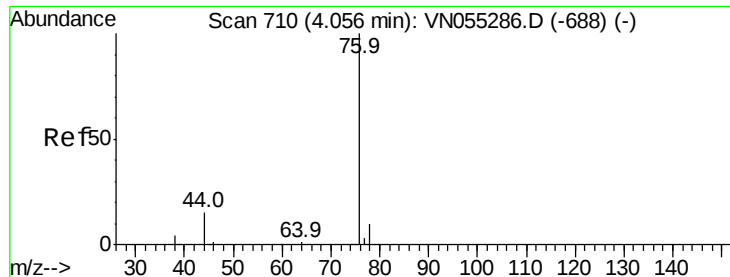
Delta R.T. -0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Tgt Ion:	43	Resp:	417663
Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.6	35.4





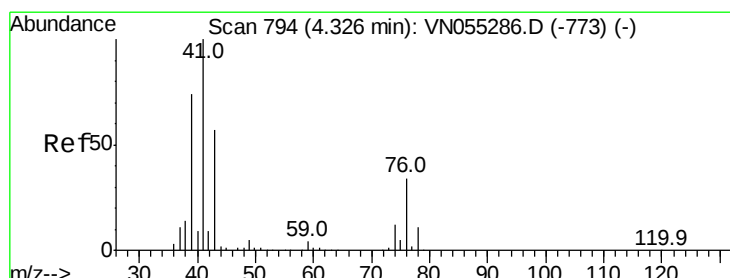
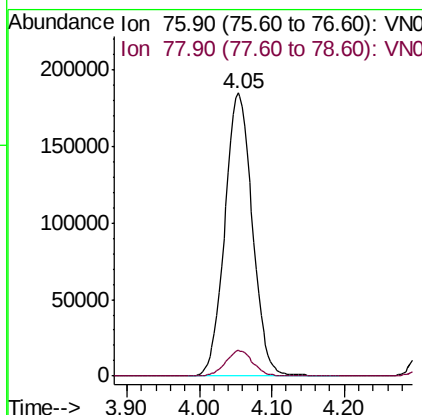
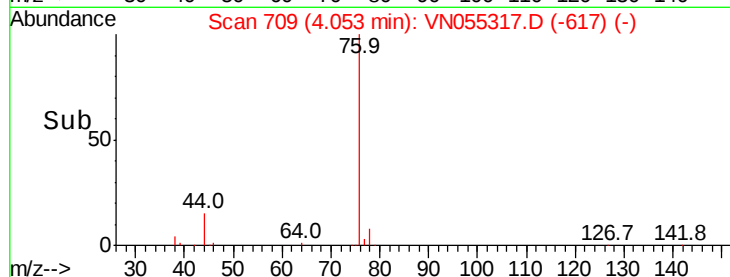
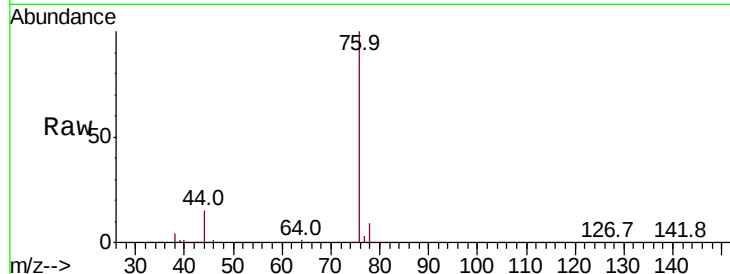
#17
Carbon Disulfide
Concen: 46.874 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 487975
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4

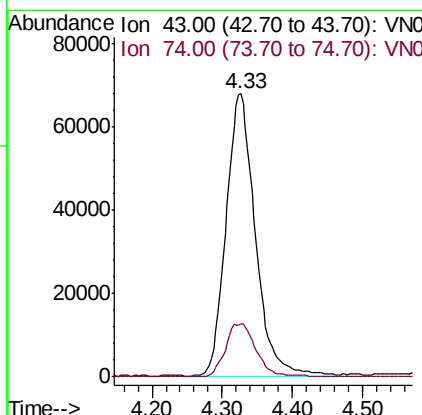
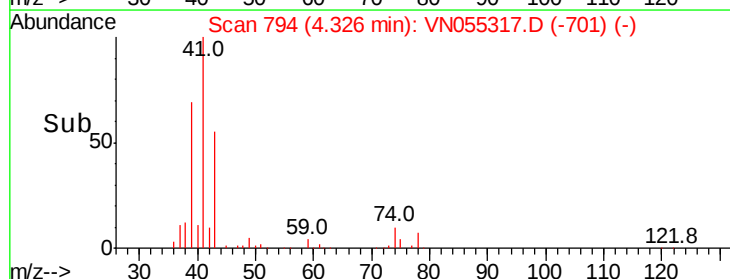
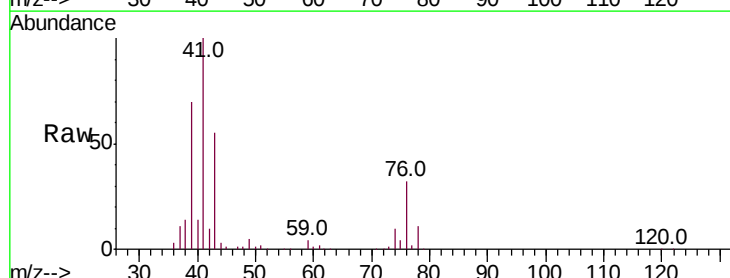
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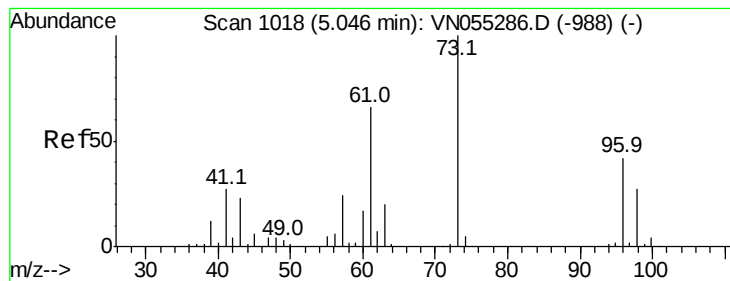
MMDadoda
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#18
Methyl Acetate
Concen: 48.948 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion: 43 Resp: 196363
Ion Ratio Lower Upper
43 100
74 19.5 15.8 23.8





#19

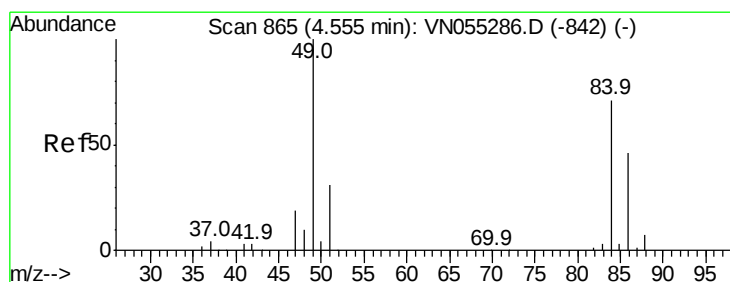
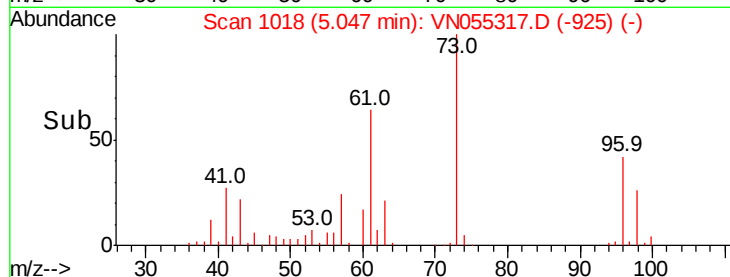
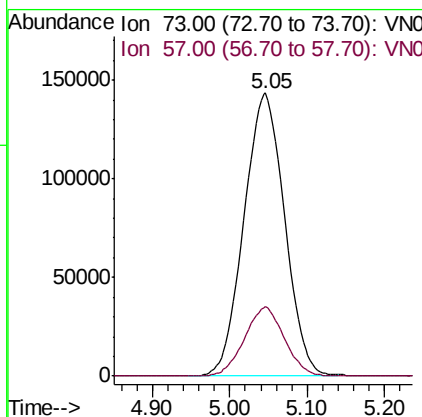
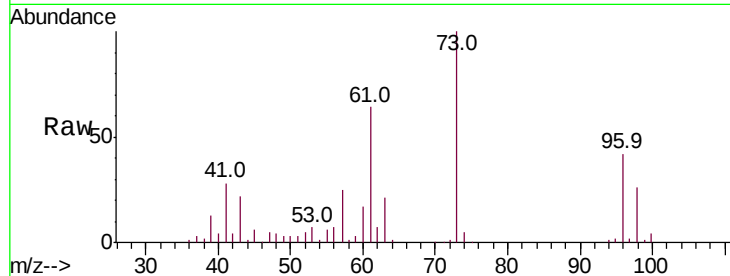
Methyl tert-butyl Ether
 Concen: 46.738 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 524136
 Ion Ratio Lower Upper
 73 100
 57 24.6 19.1 28.7

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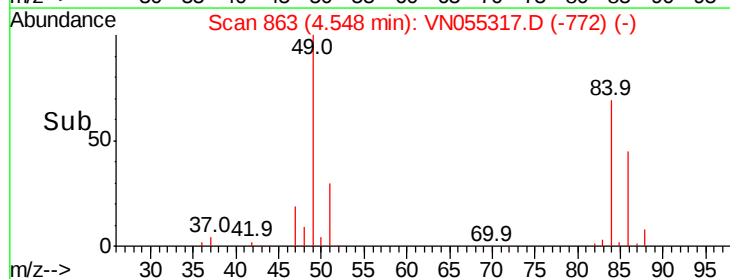
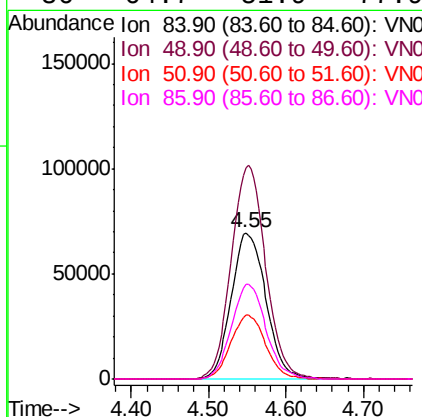
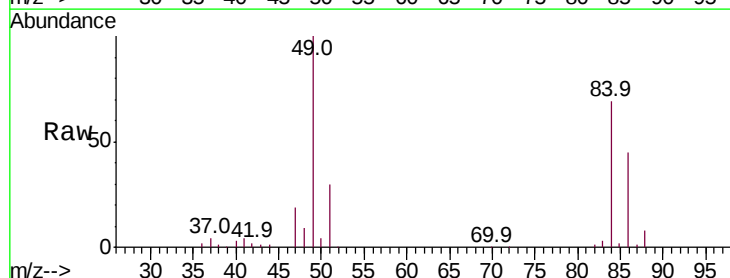
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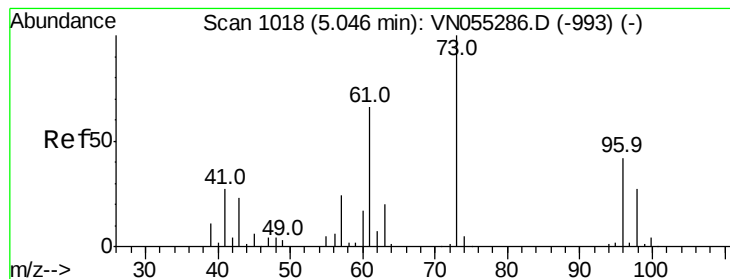


#20

Methylene Chloride
 Concen: 43.094 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Tgt Ion: 84 Resp: 216518
 Ion Ratio Lower Upper
 84 100
 49 144.3 112.4 168.6
 51 43.8 34.6 51.8
 86 64.7 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 46.117 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 194832

Ion Ratio Lower Upper

96 100

61 152.2 126.2 189.4

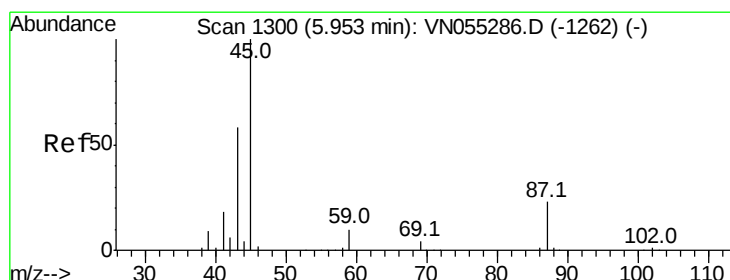
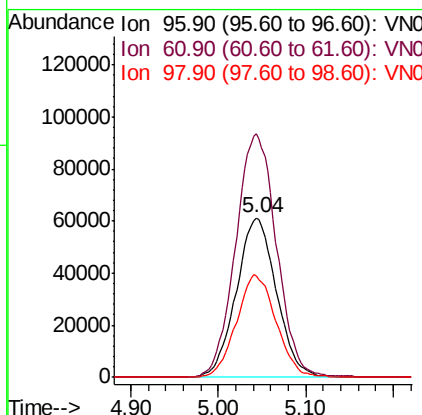
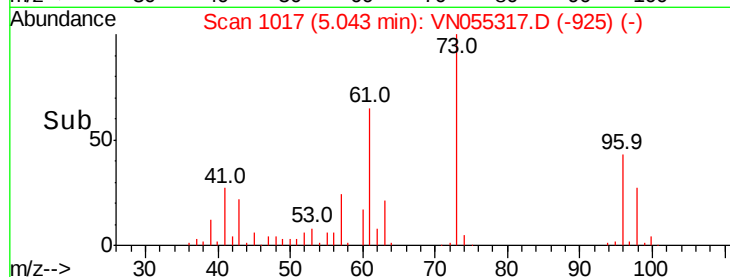
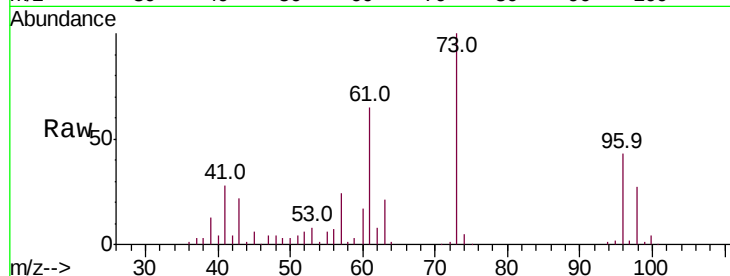
98 63.7 52.2 78.2

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#22

Diisopropyl ether

Concen: 48.168 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Tgt Ion: 45 Resp: 790695

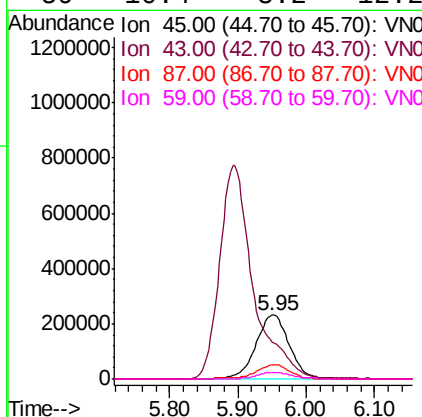
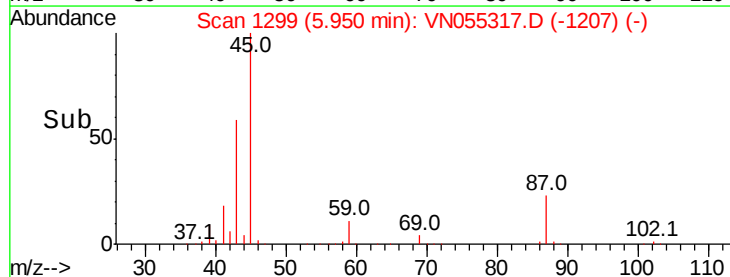
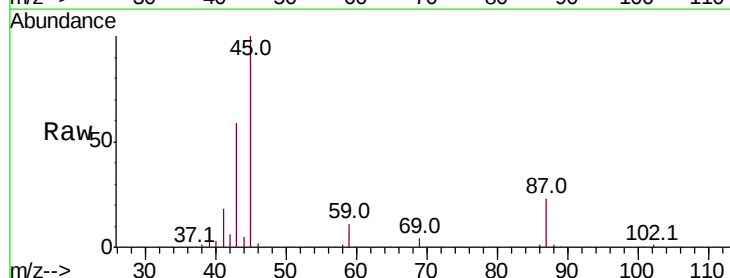
Ion Ratio Lower Upper

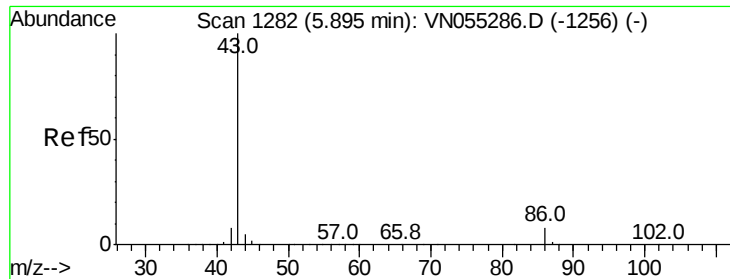
45 100

43 58.4 46.6 70.0

87 22.5 18.1 27.1

59 10.4 8.2 12.2





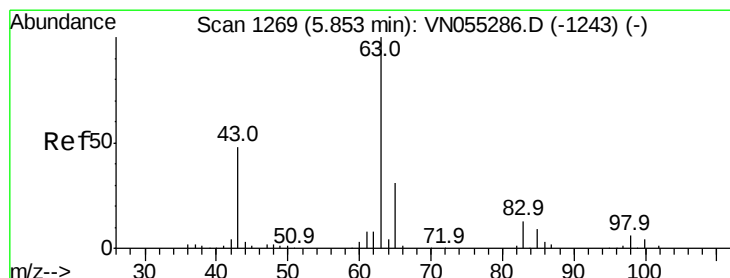
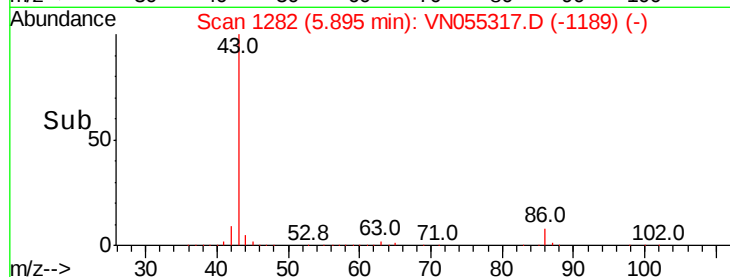
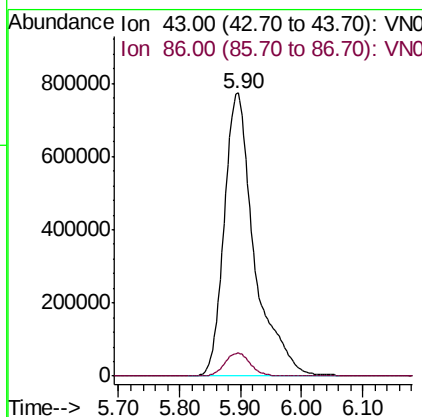
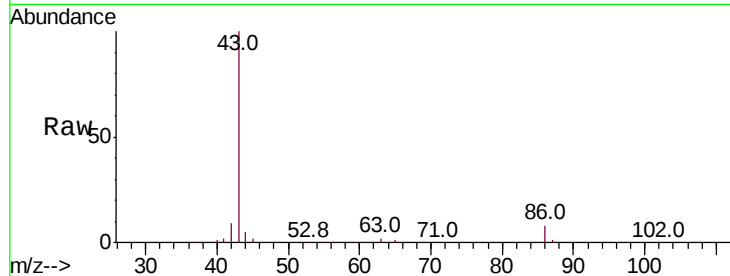
#23
 Vinyl Acetate
 Concen: 246.401 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2650926
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 10.0

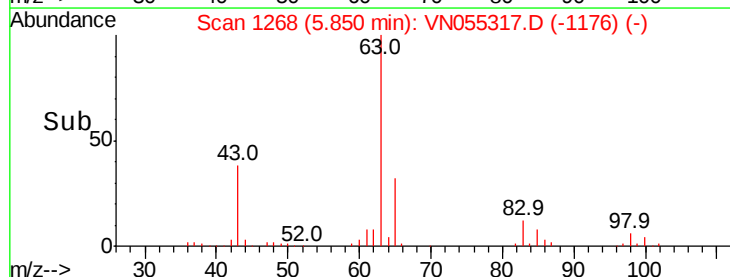
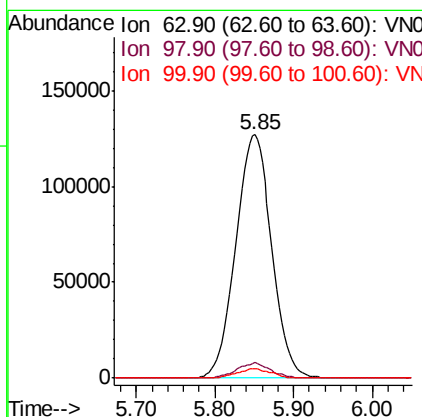
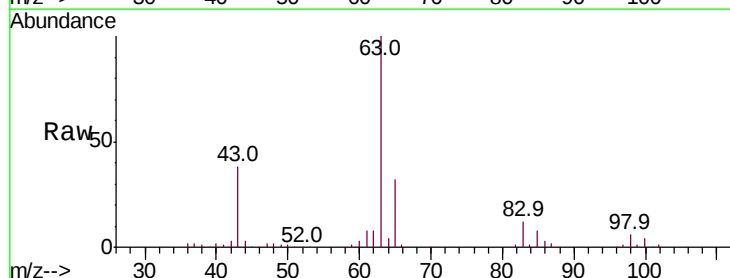
Manual Integrations
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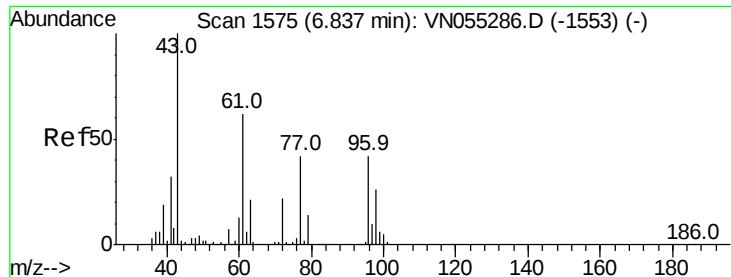
MMDadoda
 5/2/2019 9:33:58 AM



#24
 1,1-Dichloroethane
 Concen: 46.429 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Tgt Ion: 63 Resp: 406081
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.0 9.0
 100 3.9 1.8 5.4





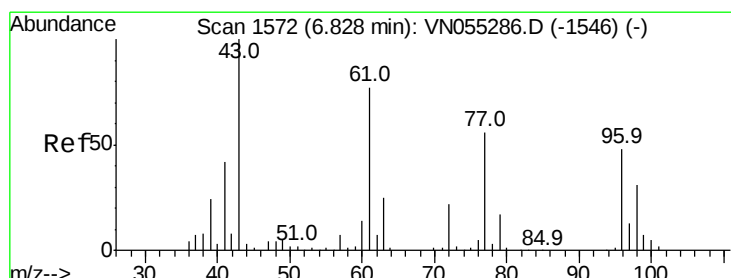
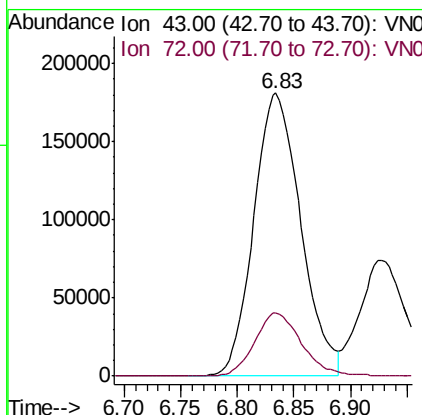
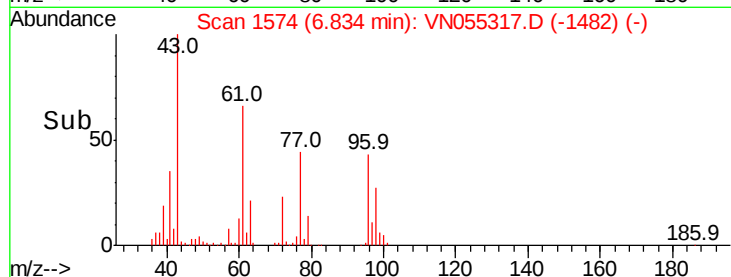
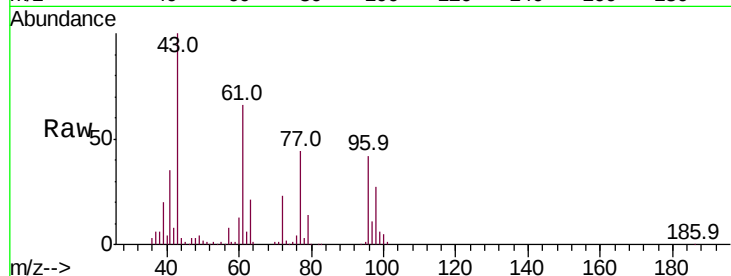
#25
2-Butanone
Concen: 247.168 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 520318
Ion Ratio Lower Upper
43 100
72 22.6 18.0 27.0

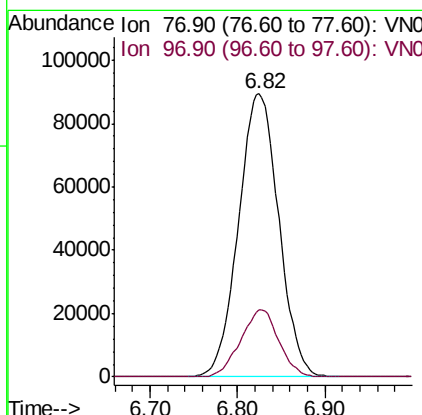
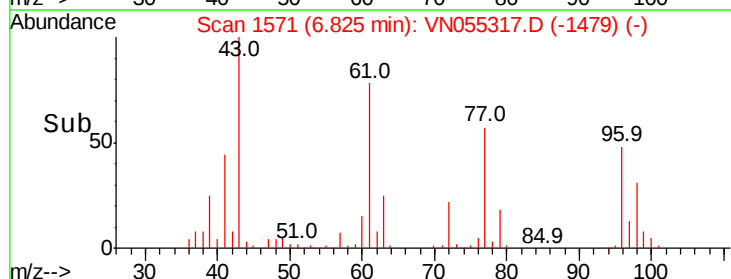
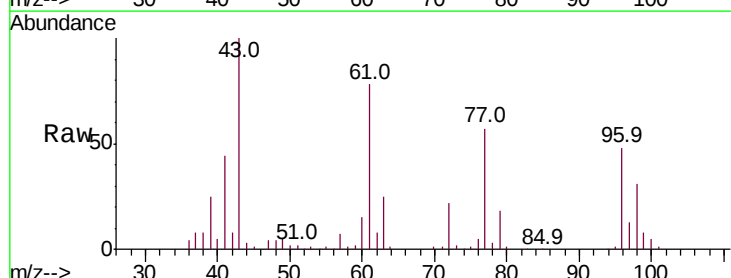
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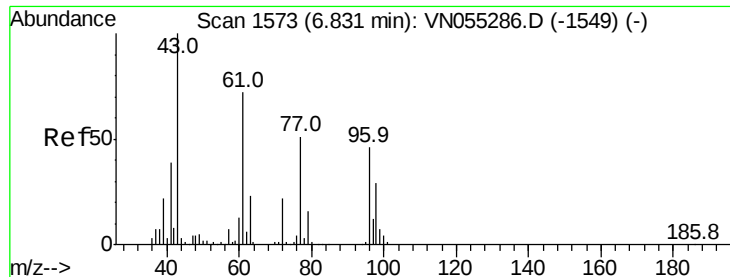
MMDadoda
5/2/2019 9:33:58 AM



#26
2,2-Dichloropropane
Concen: 47.165 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion: 77 Resp: 284858
Ion Ratio Lower Upper
77 100
97 22.7 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 47.323 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Instrument :

MSVOA_N

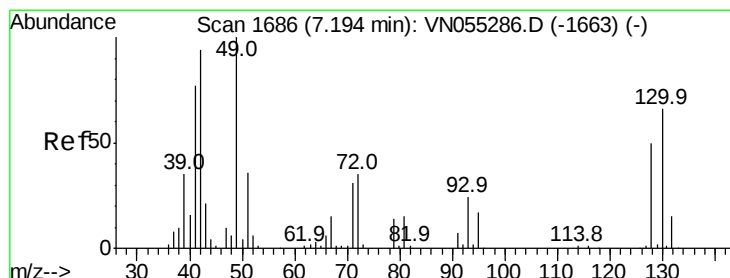
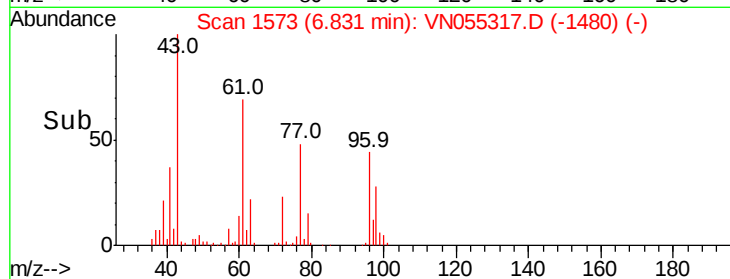
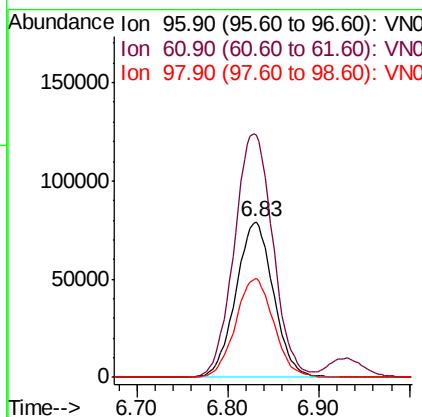
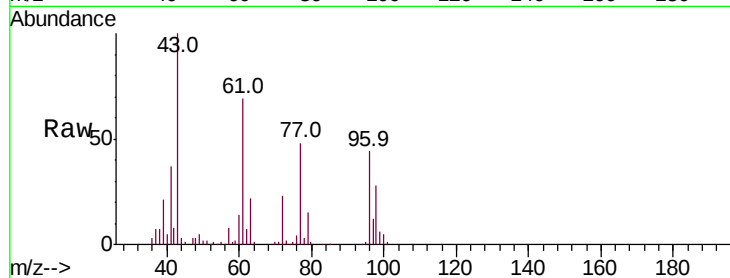
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	227354
Ion	Ratio	Lower	Upper
96	100		
61	161.0	0.0	316.2
98	64.7	0.0	126.6

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#28

Bromochloromethane

Concen: 46.548 ug/l

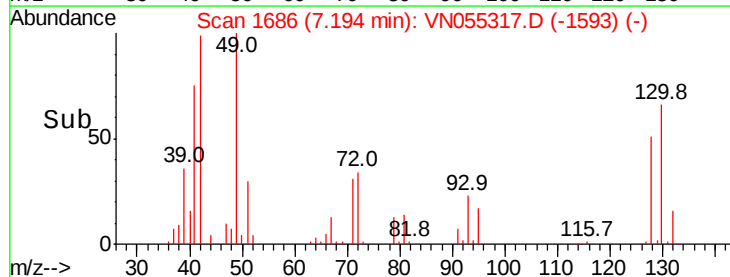
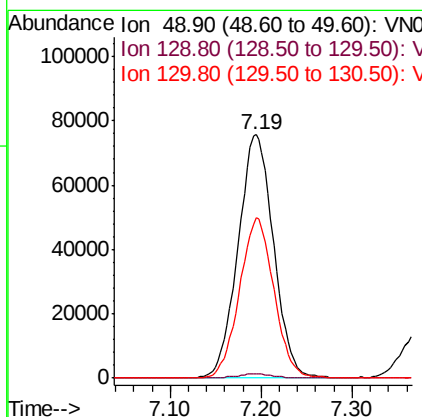
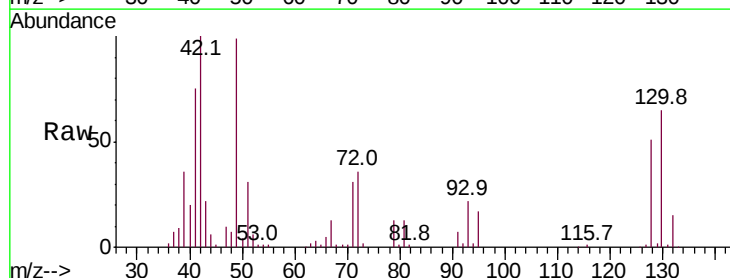
RT: 7.19 min Scan# 1686

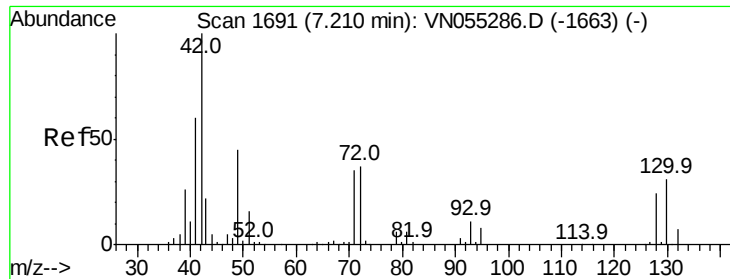
Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Tgt Ion:	49	Resp:	205216
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.4
130	63.9	52.0	78.0





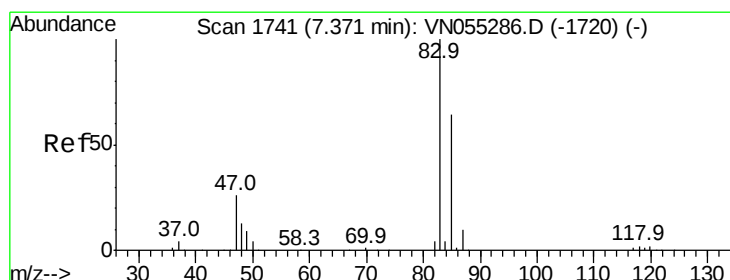
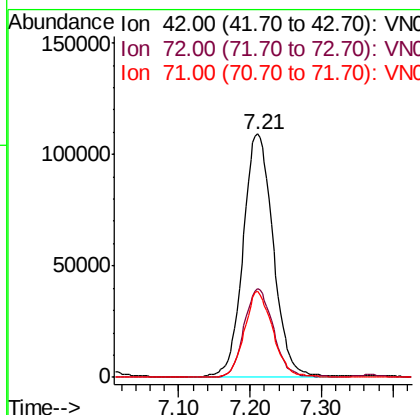
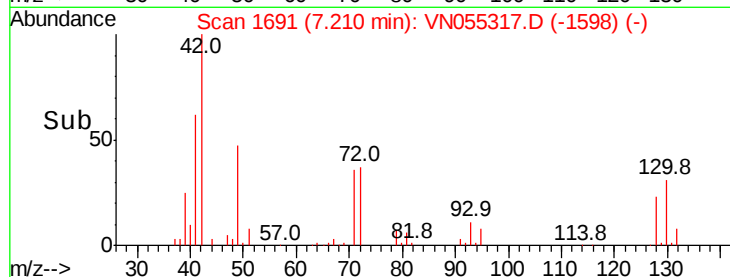
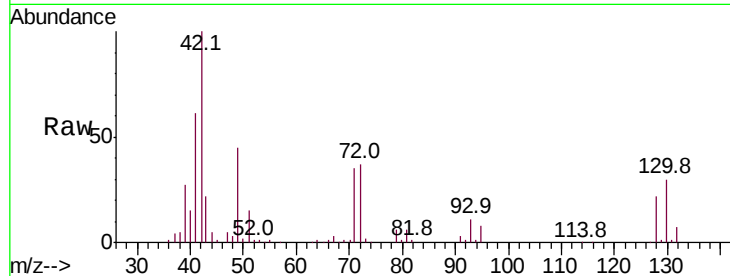
#29
Tetrahydrofuran
Concen: 236.889 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.5	29.0	43.6
71	33.7	27.1	40.7

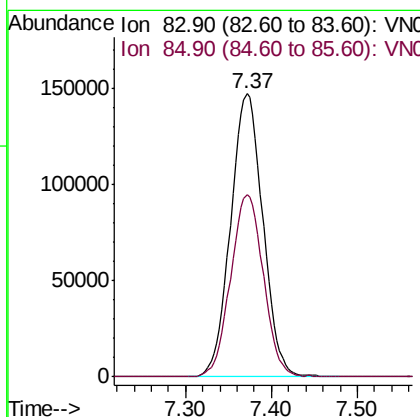
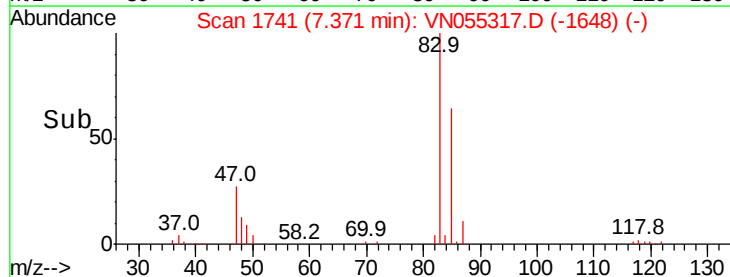
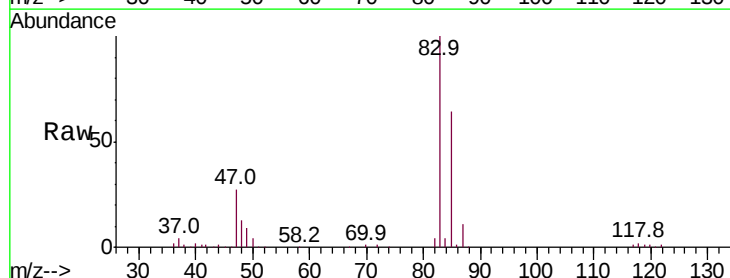
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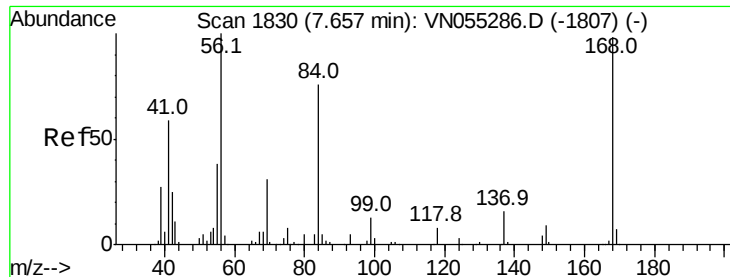
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#30
Chloroform
Concen: 46.278 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2





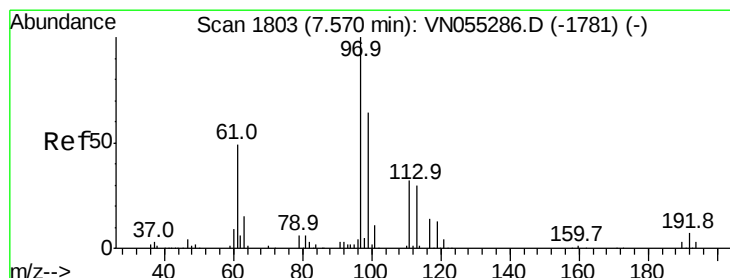
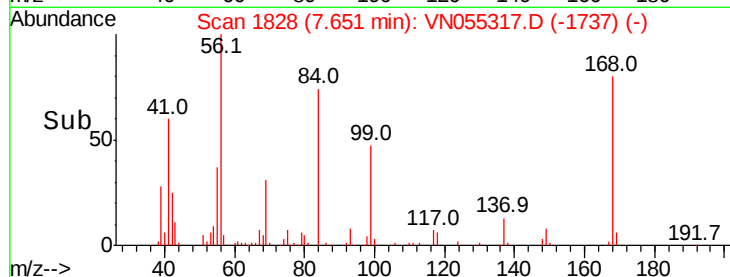
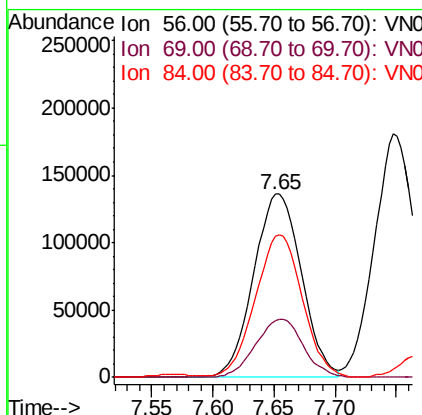
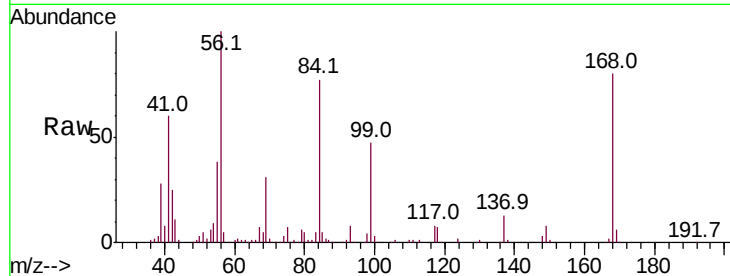
#31
Cyclohexane
Concen: 44.658 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.01 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.2	37.8
84	75.9	61.1	91.7

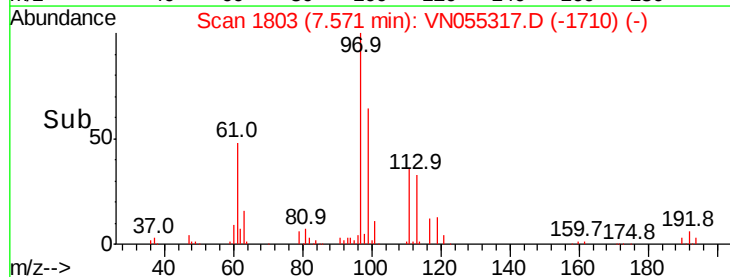
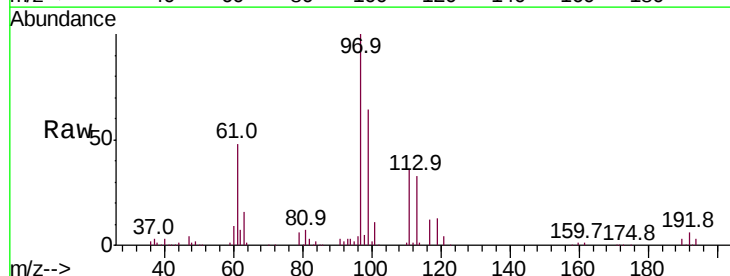
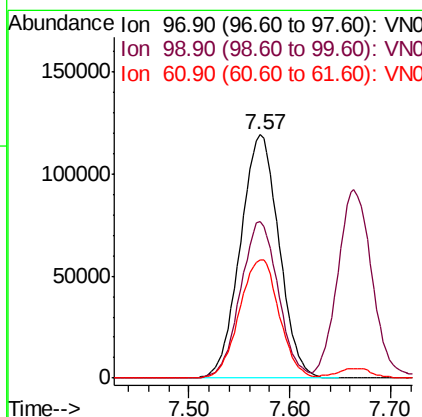
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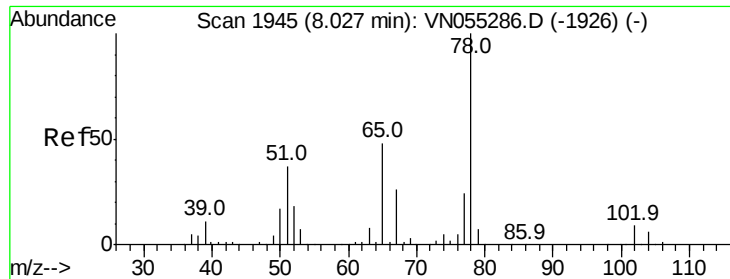
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#32
1,1,1-Trichloroethane
Concen: 47.164 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.8	77.8
61	49.9	39.0	58.6





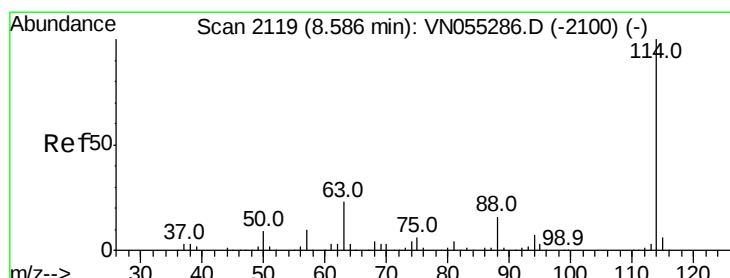
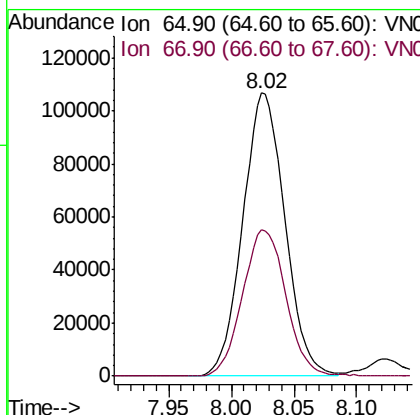
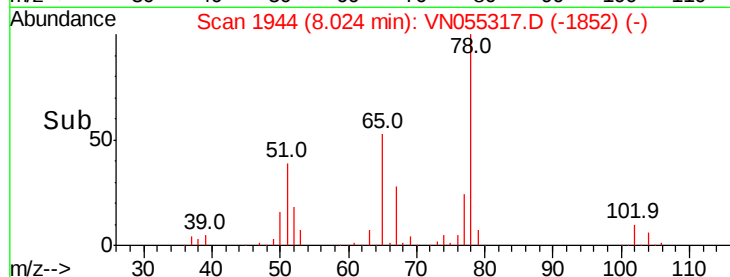
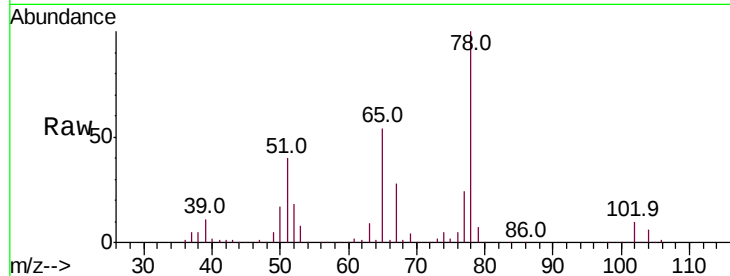
#33
 1,2-Dichloroethane-d4
 Concen: 47.225 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	249484		
67	53.2	0.0	106.8	

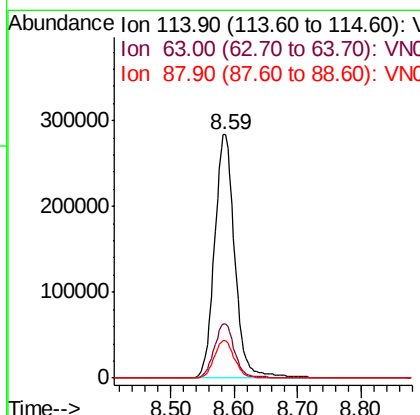
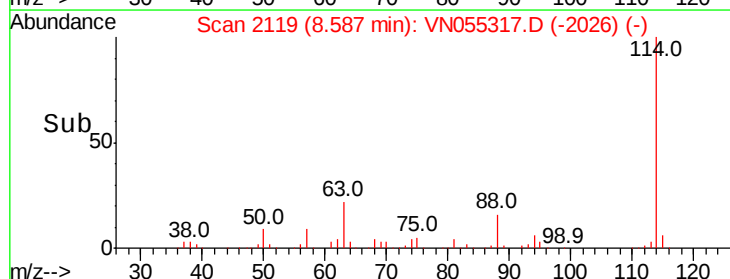
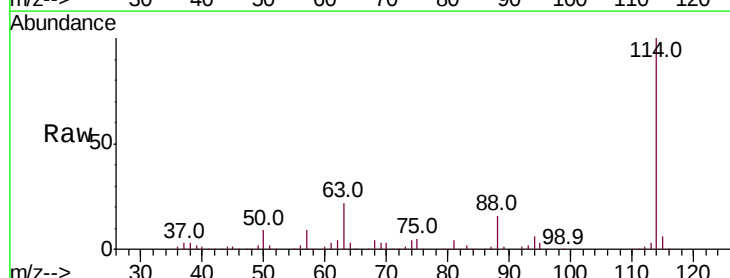
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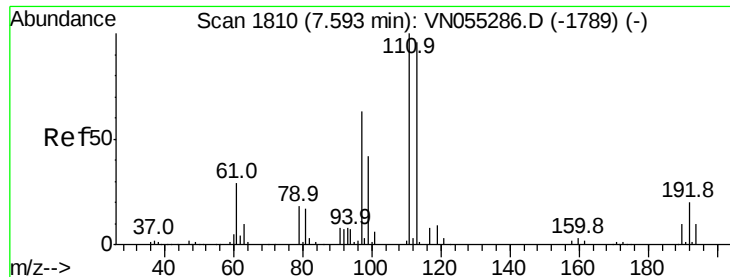
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	627293		
63	22.1	0.0	45.2	
88	15.6	0.0	31.6	





#35

Dibromofluoromethane

Concen: 48.724 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Instrument :

MSVOA_N

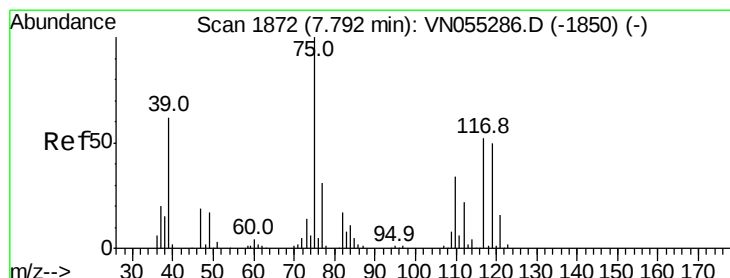
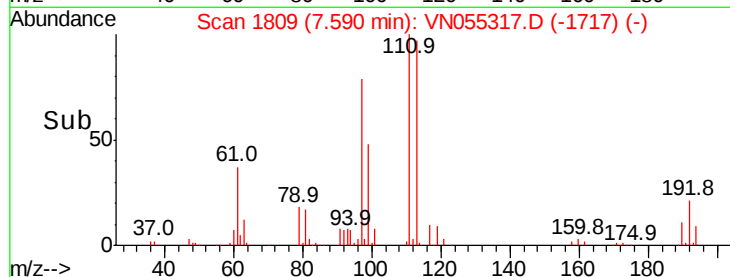
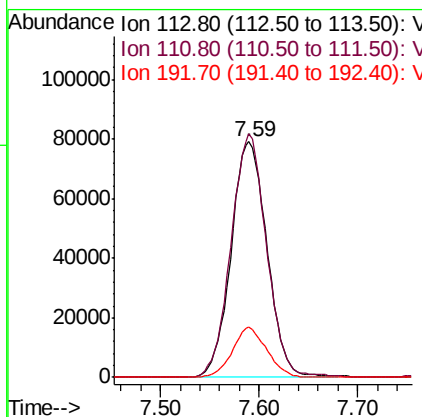
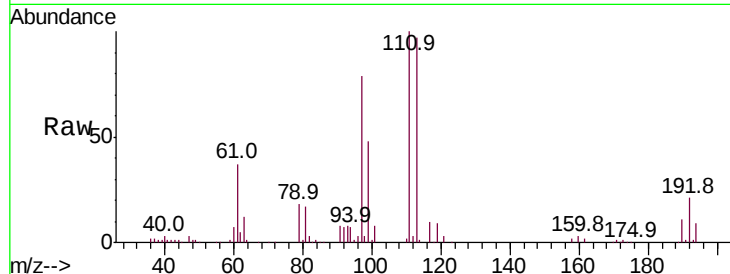
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	200615
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.3	123.5
192	20.3	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 47.984 ug/l

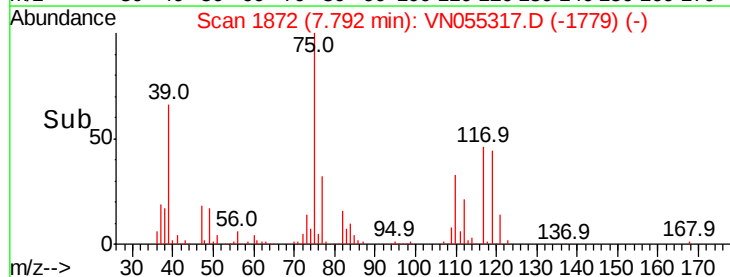
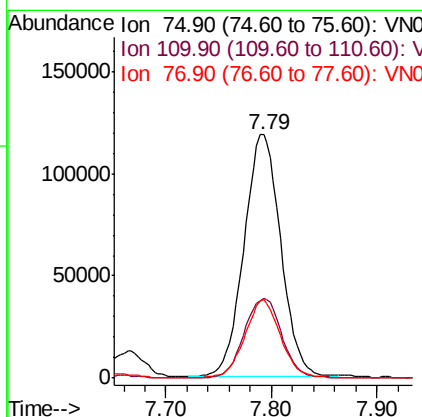
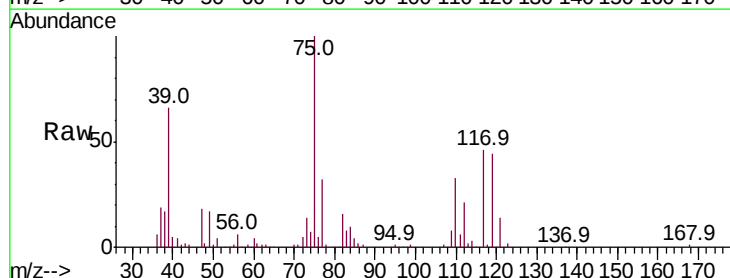
RT: 7.79 min Scan# 1872

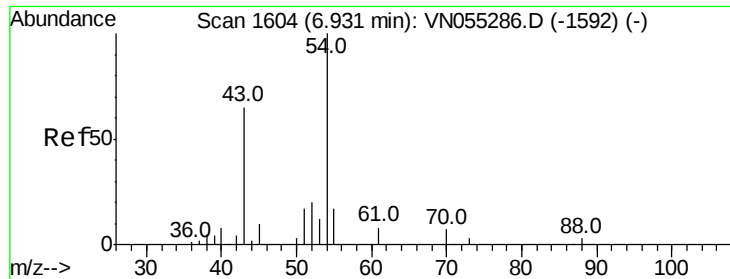
Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Tgt Ion:	75	Resp:	288310
Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.8	50.4
77	31.8	25.0	37.6





#37

Ethyl Acetate

Concen: 46.032 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN055317.D

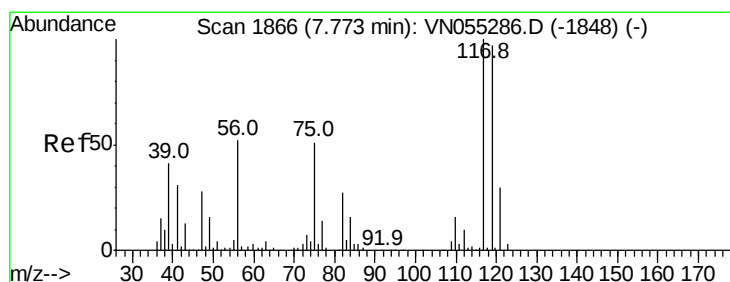
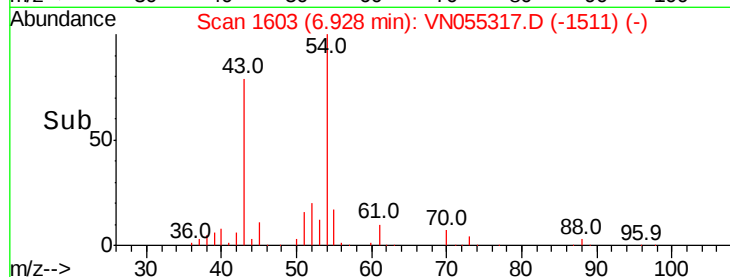
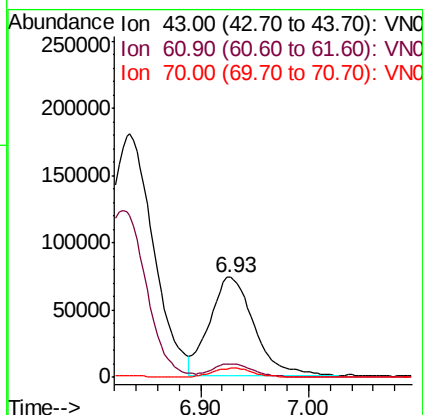
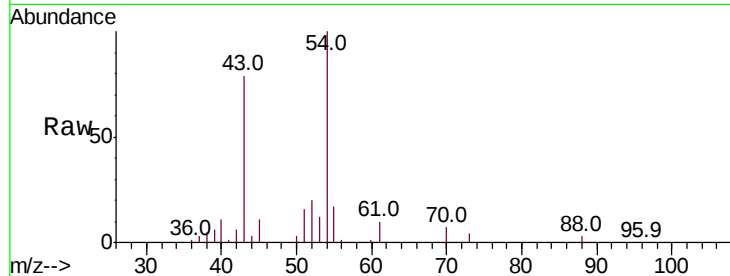
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.4	15.6
70	8.7	6.6	10.0

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#38

Carbon Tetrachloride

Concen: 47.166 ug/l

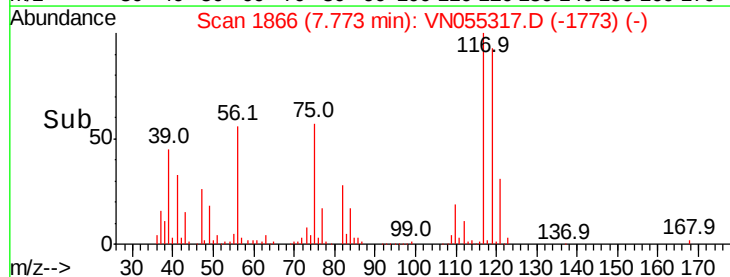
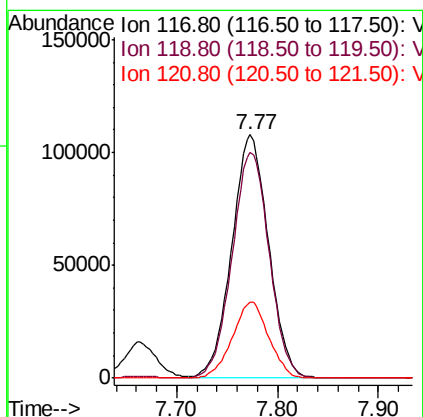
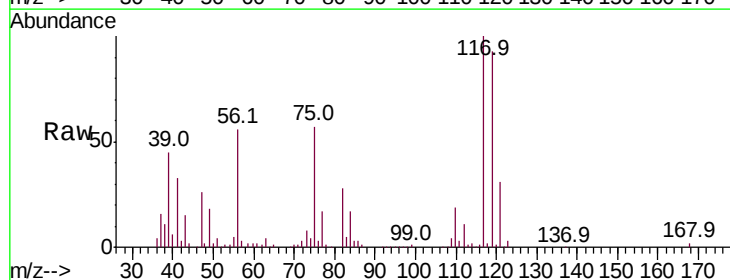
RT: 7.77 min Scan# 1866

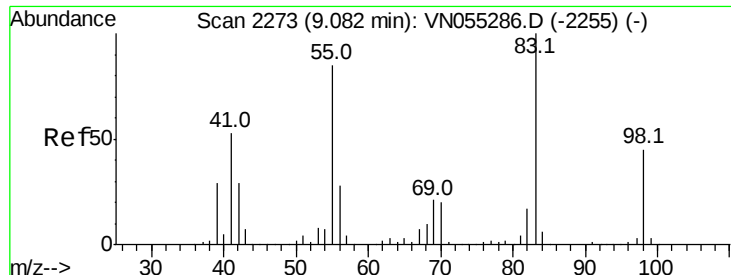
Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	77.0	115.6
121	31.0	23.8	35.8





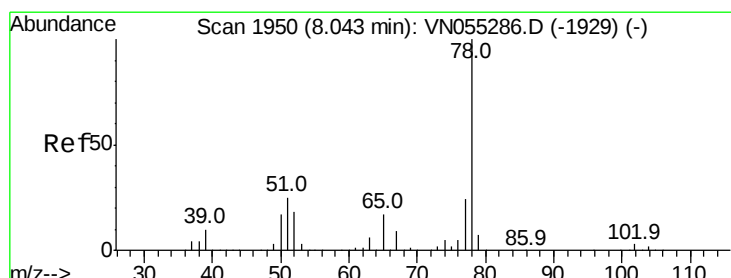
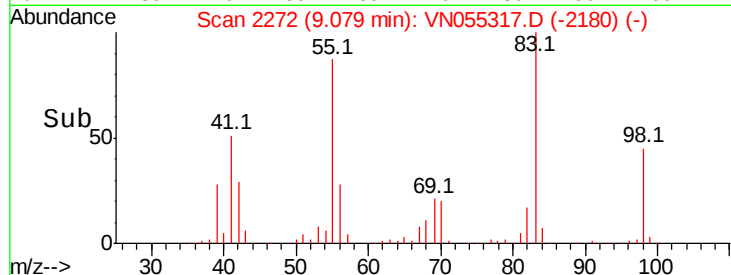
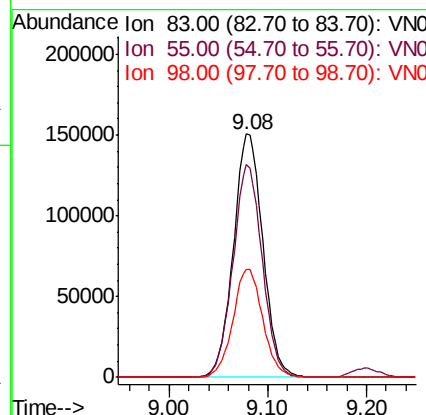
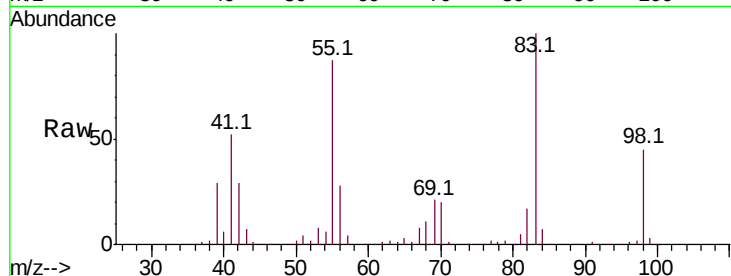
#39
Methvlcvclohexane
Concen: 49.263 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.3	67.8	101.6
98	44.6	36.2	54.4

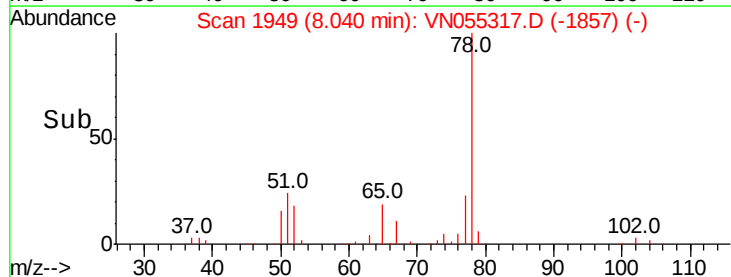
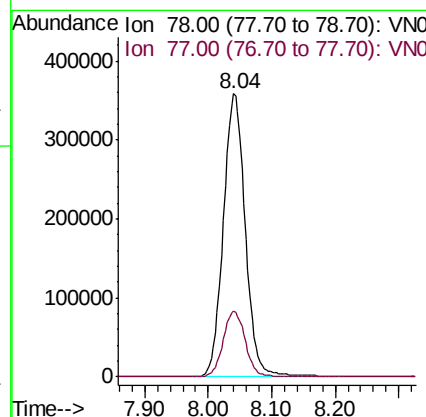
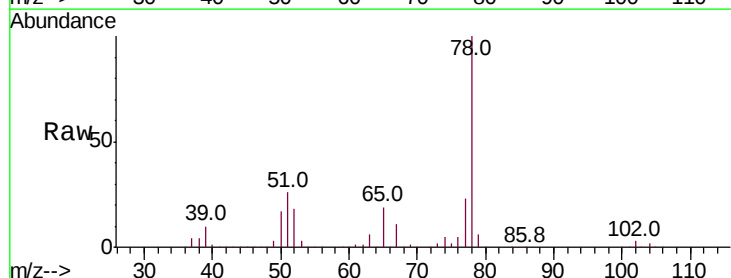
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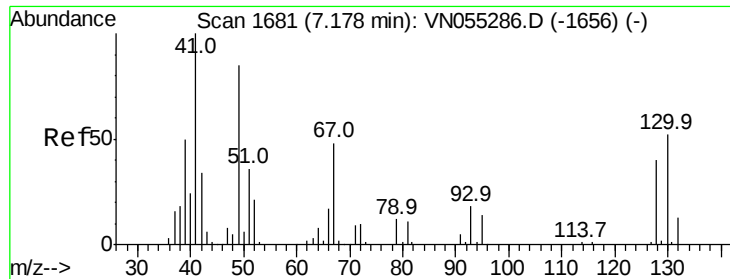
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#40
Benzene
Concen: 48.475 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6





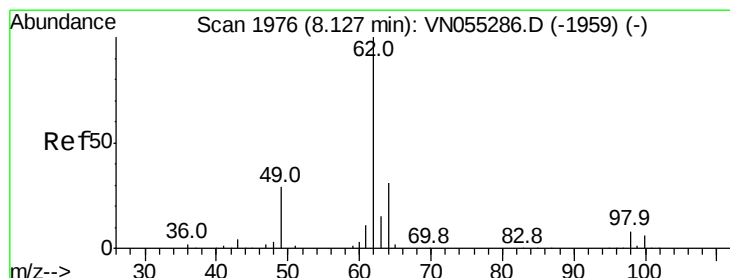
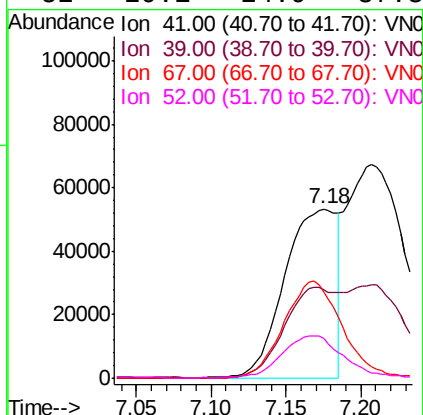
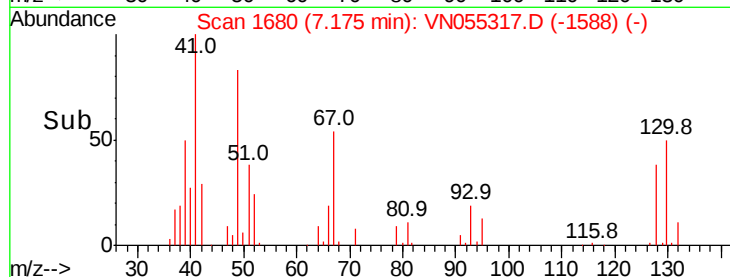
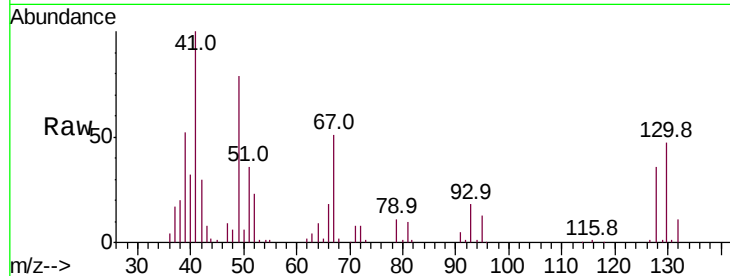
#41
Methacrylonitrile
Concen: 51.703 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.4	48.5	72.7#
67	64.3	54.9	82.3
52	29.1	24.9	37.3

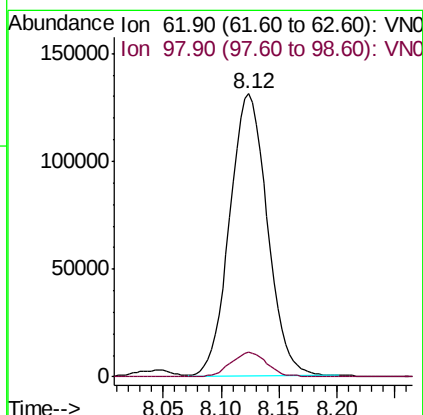
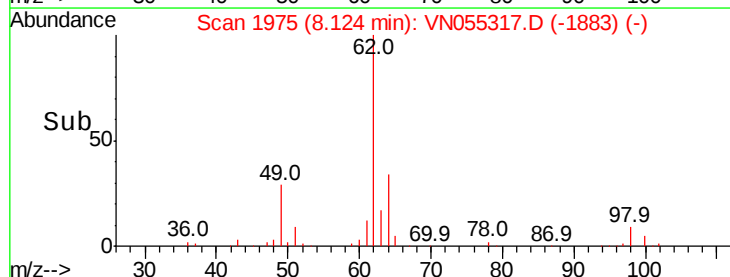
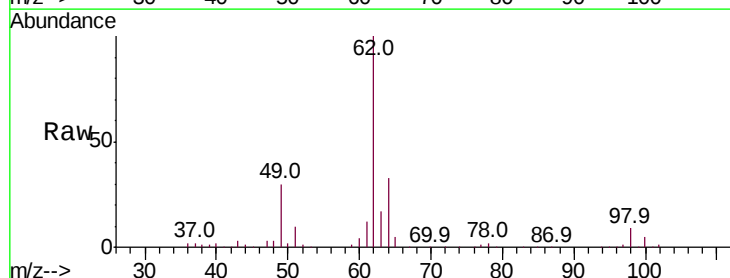
Manual Integrations
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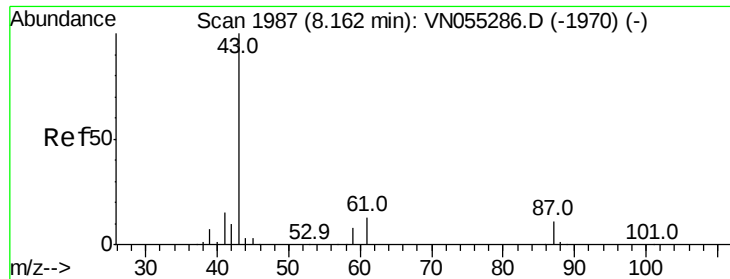
MMDadoda
5/2/2019 9:33:58 AM



#42
1,2-Dichloroethane
Concen: 47.179 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.4





#43

Isopropyl Acetate

Concen: 50.174 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Instrument :

MSVOA_N

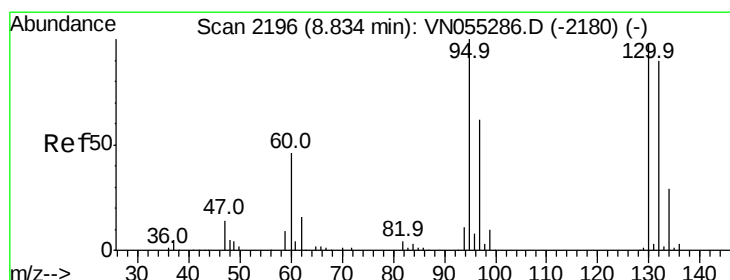
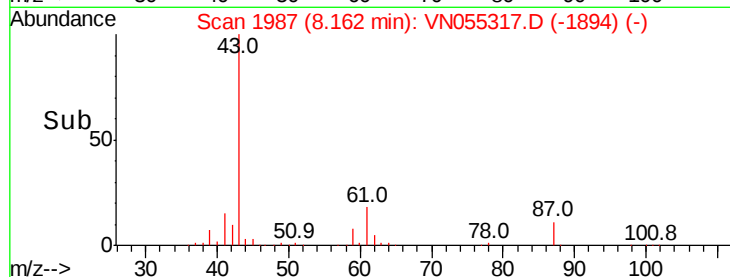
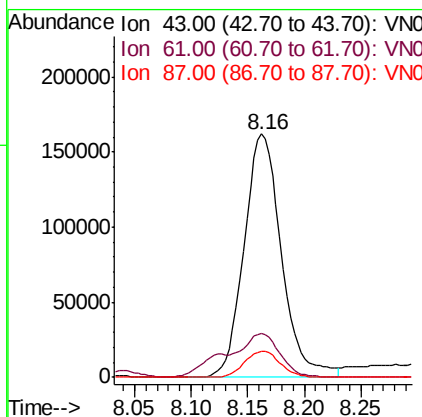
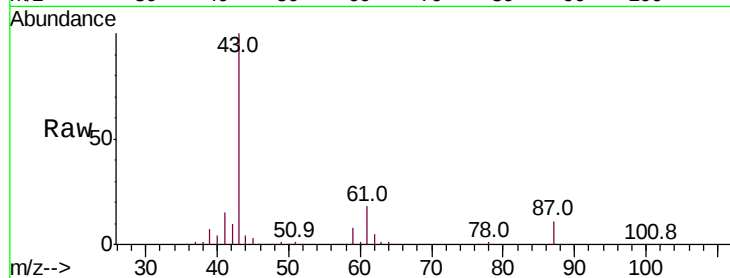
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	371311
Ion Ratio	Lower	Upper	
43	100		
61	15.8	20.8	31.2#
87	10.5	8.5	12.7

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#44

Trichloroethene

Concen: 47.123 ug/l

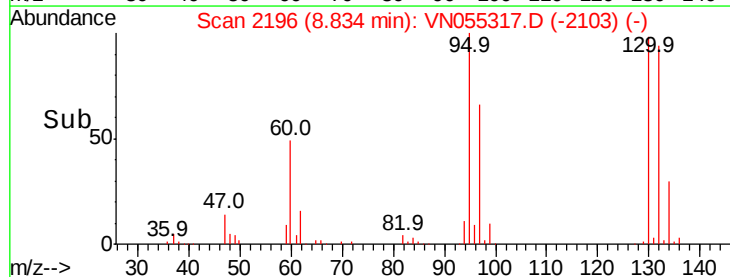
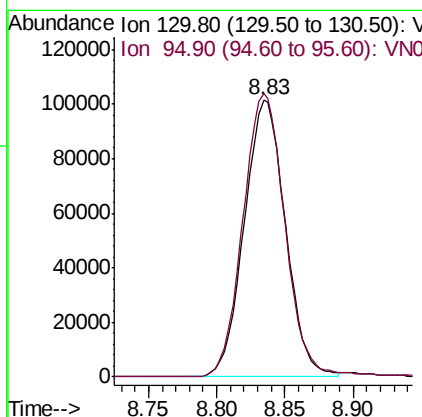
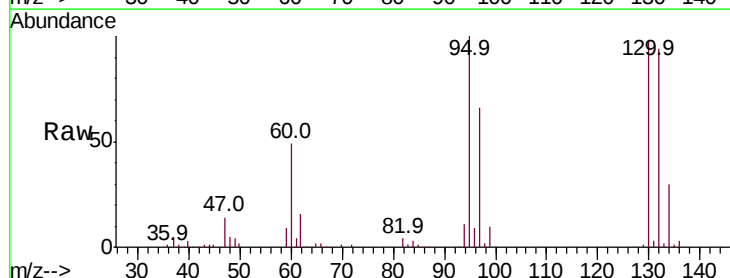
RT: 8.83 min Scan# 2196

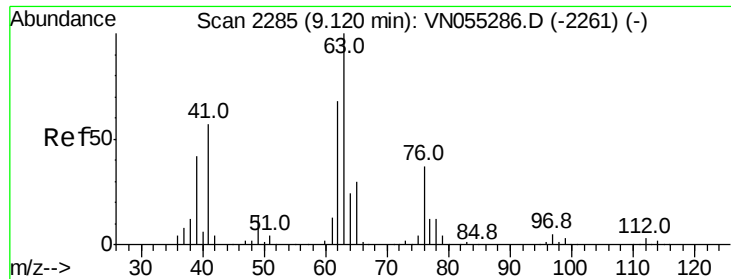
Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Tgt Ion:	130	Resp:	212784
Ion Ratio	Lower	Upper	
130	100		
95	102.0	0.0	203.4





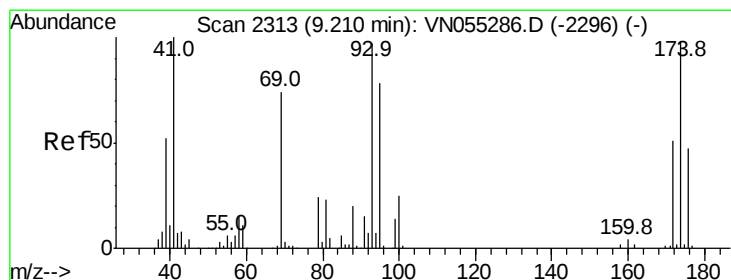
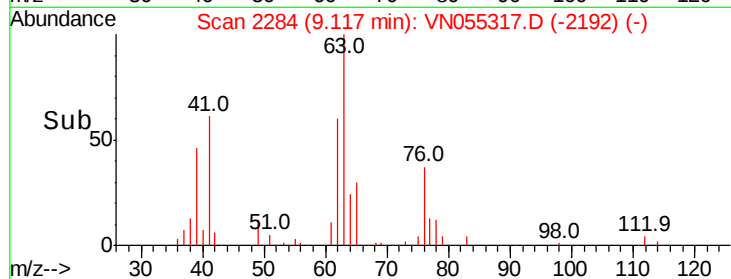
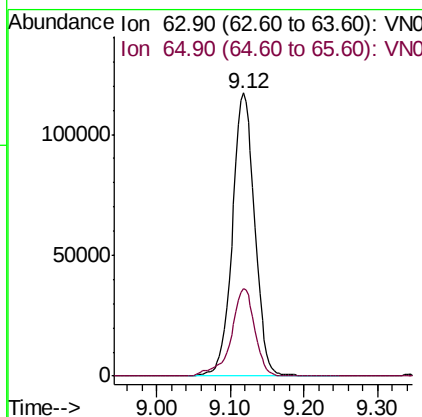
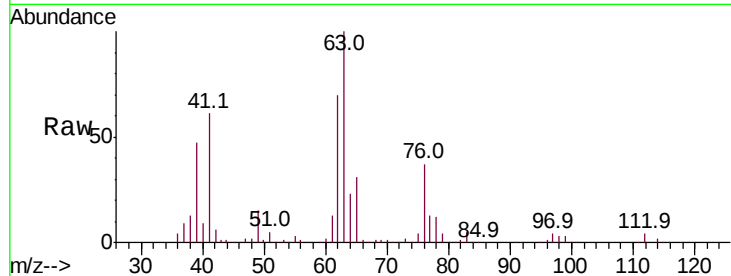
#45
1,2-Dichloropropane
Concen: 48.257 ug/l
RT: 9.12 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 246528
Ion Ratio Lower Upper
63 100
65 30.9 23.9 35.9

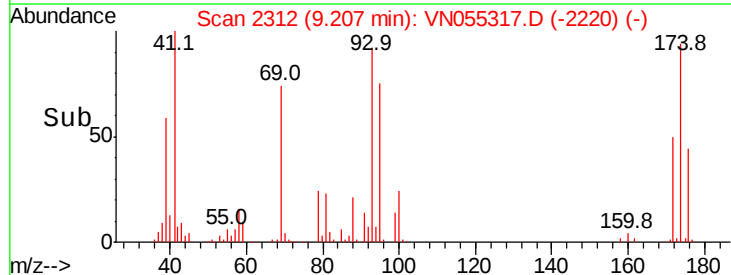
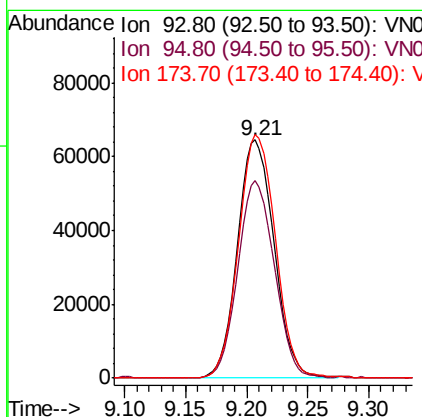
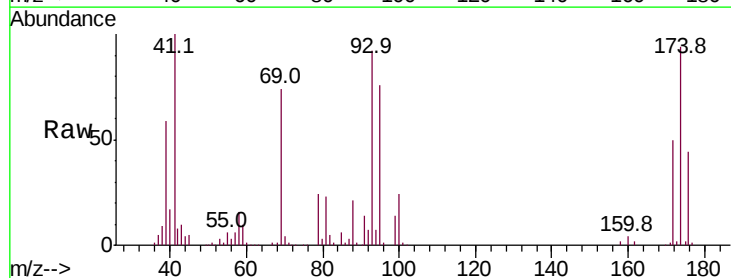
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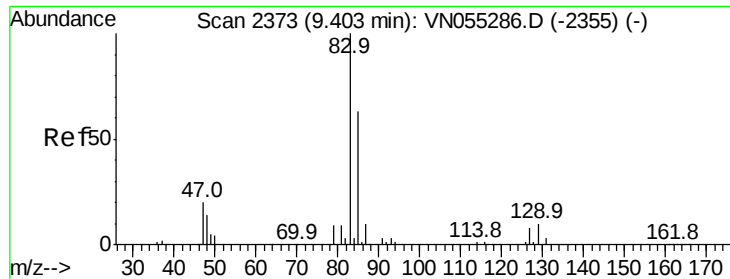
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#46
Dibromomethane
Concen: 48.048 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion: 93 Resp: 134168
Ion Ratio Lower Upper
93 100
95 82.8 65.7 98.5
174 103.1 81.5 122.3





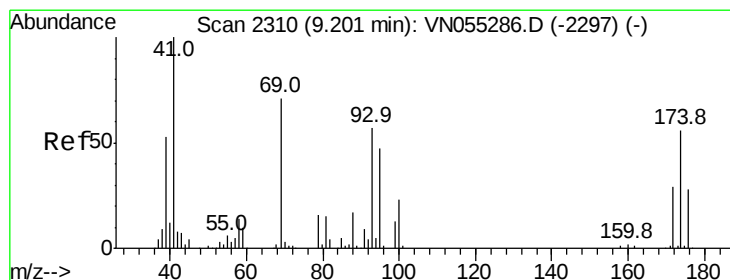
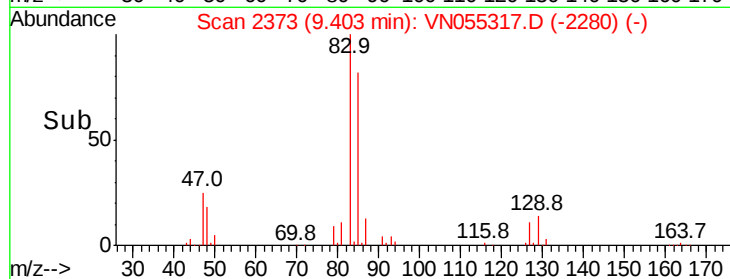
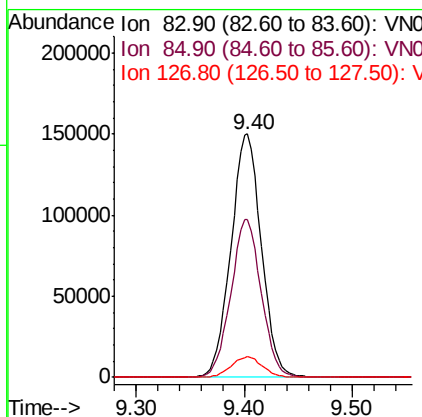
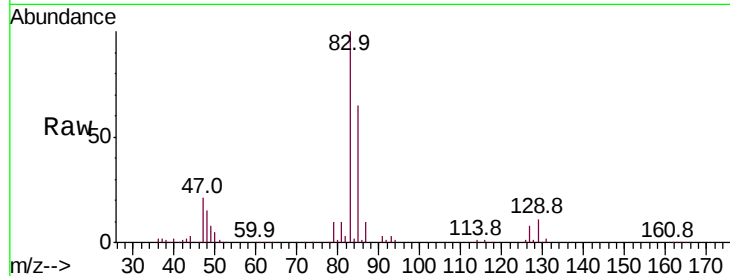
#47
Bromodichloromethane
Concen: 49.238 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	294962		
85	64.8	50.1	75.1	
127	8.4	6.7	10.1	

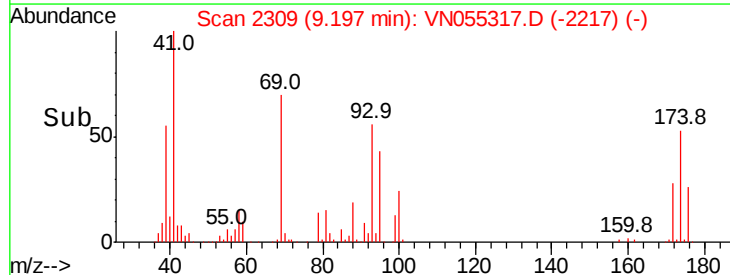
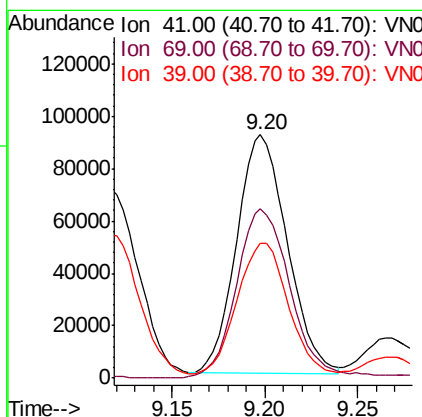
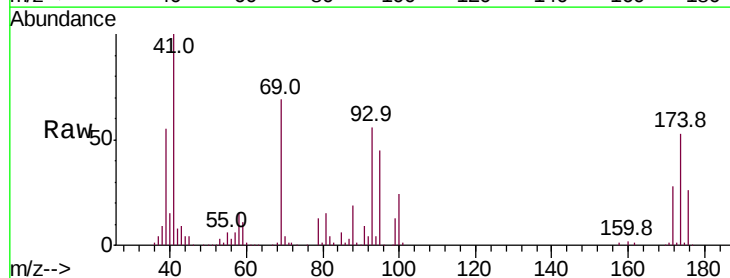
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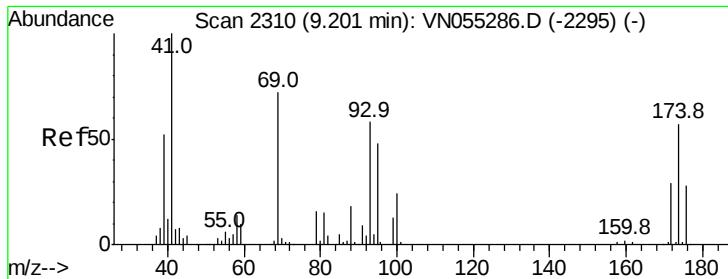
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#48
Methyl methacrylate
Concen: 47.543 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	172968		
69	76.8	58.6	87.8	
39	57.9	43.8	65.6	





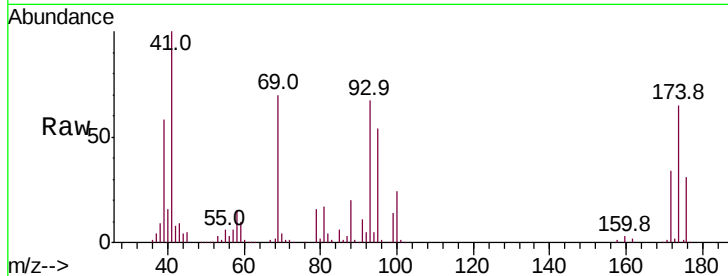
#49
1,4-Dioxane
Concen: 1049.607 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

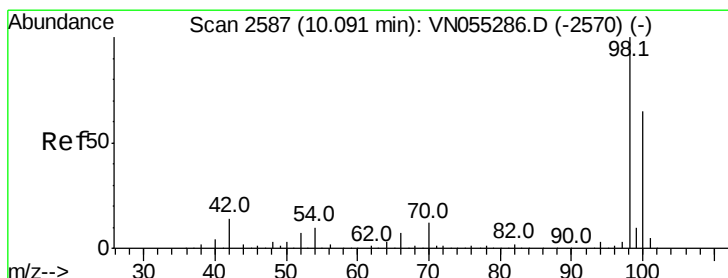
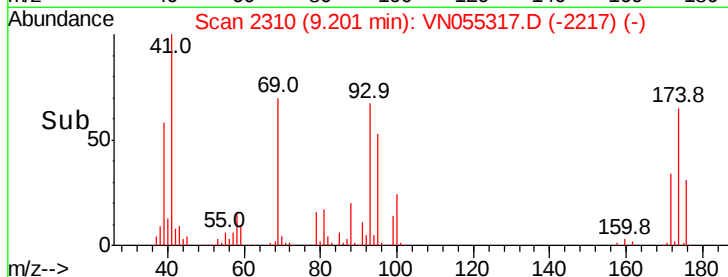
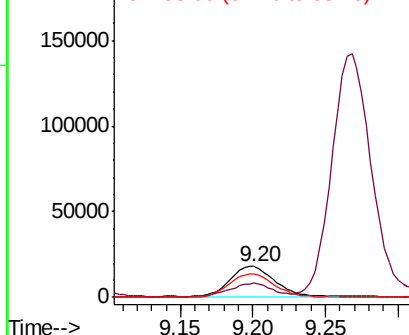
Tot Ion	88	Resp	39474
Ion	Ratio	Lower	Upper
88	100		
43	38.7	33.3	49.9
58	75.4	62.7	94.1

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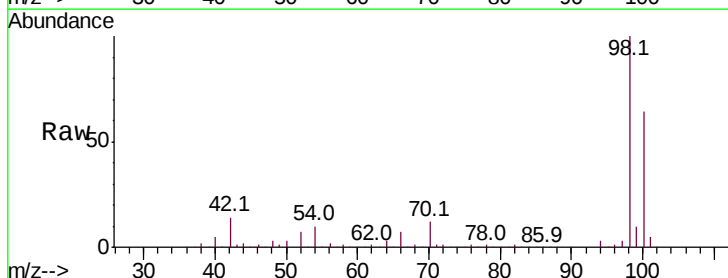


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

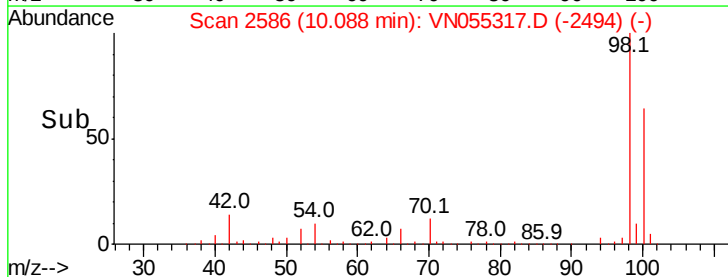
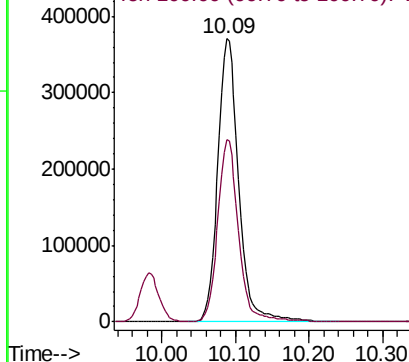


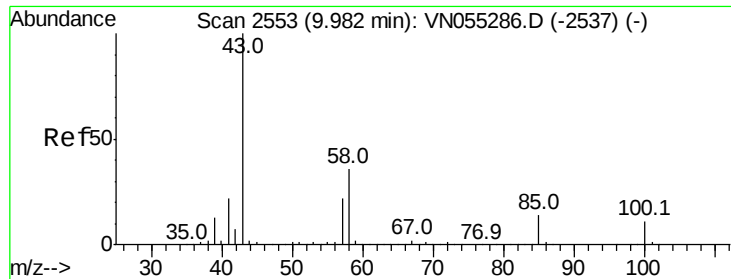
#50
Toluene-d8
Concen: 49.077 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion	98	Resp	729636
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 247.434 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1030960

Ion Ratio Lower Upper

43 100

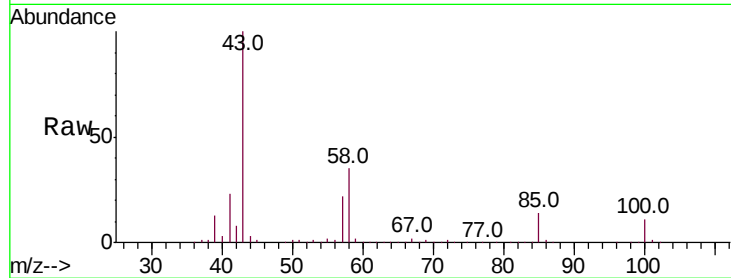
58 34.8 28.5 42.7

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5/2/2019 9:33:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

600000

500000

400000

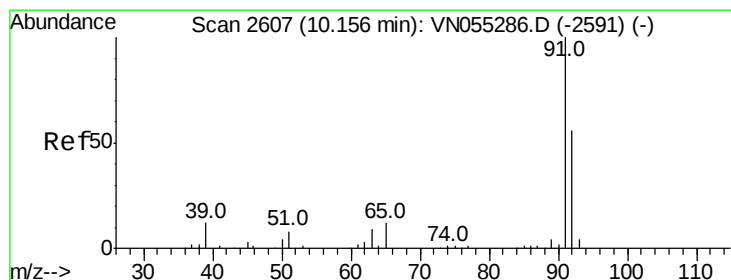
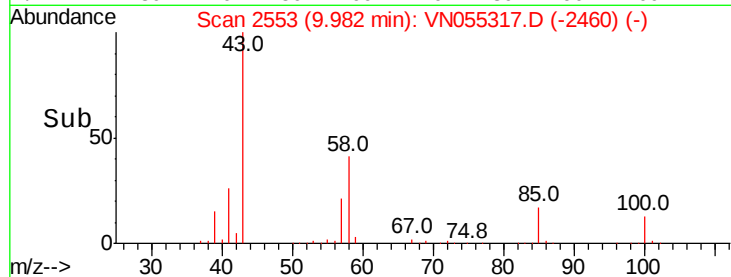
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.651 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055317.D

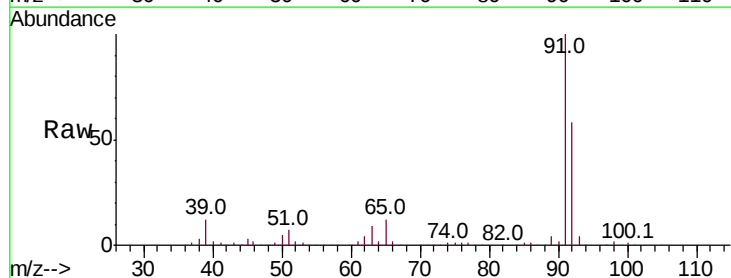
Acq: 1 May 2019 9:47

Tgt Ion: 92 Resp: 504604

Ion Ratio Lower Upper

92 100

91 174.9 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

500000

400000

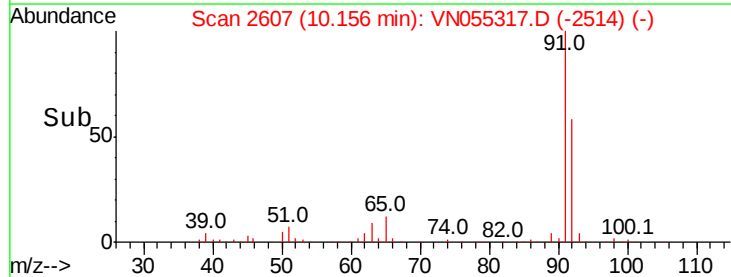
300000

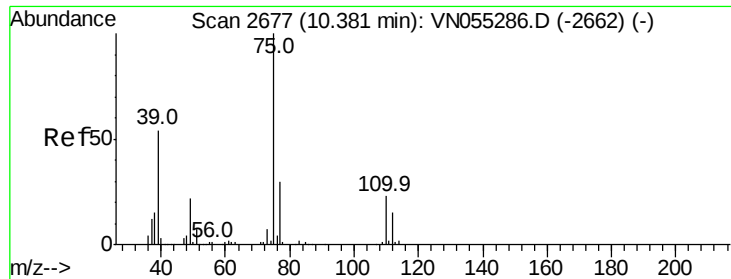
200000

100000

0

Time-->





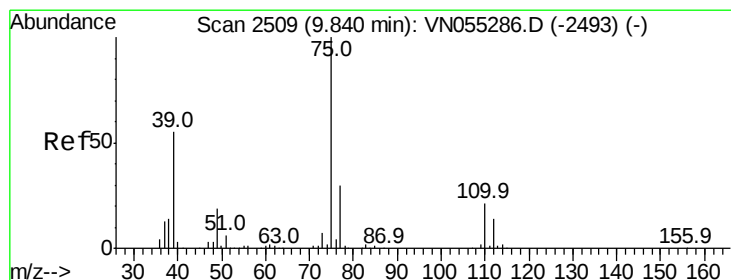
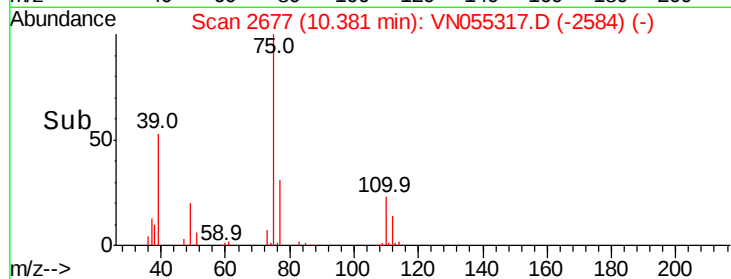
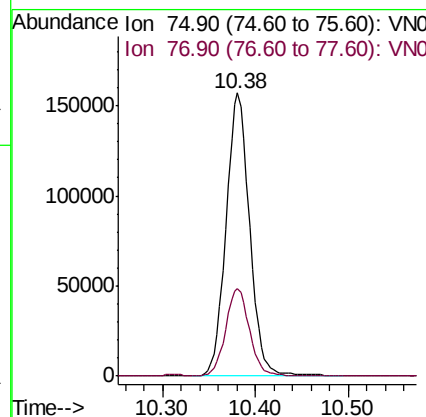
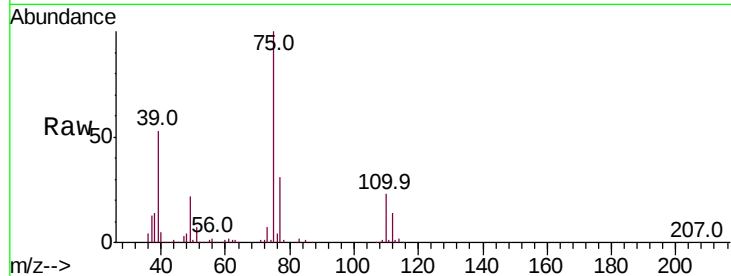
#53
t-1,3-Dichloropropene
Concen: 53.183 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.4	36.6

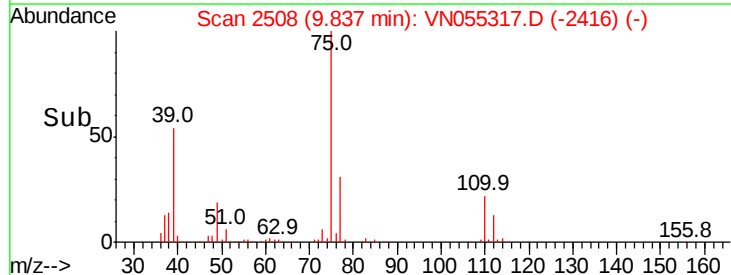
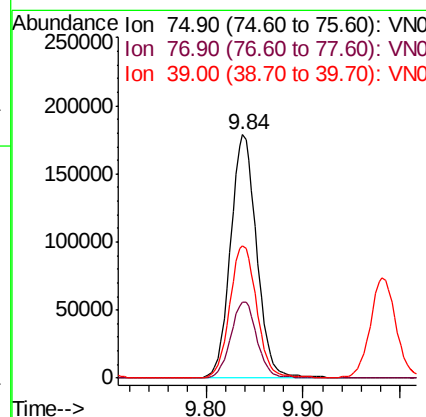
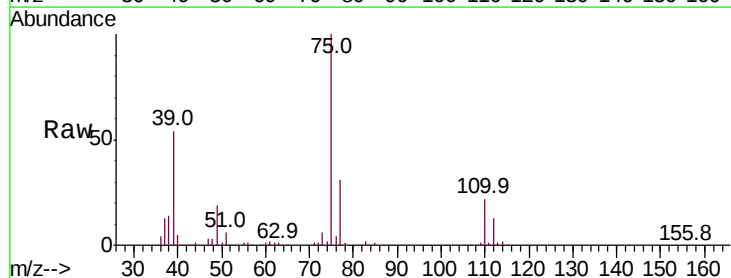
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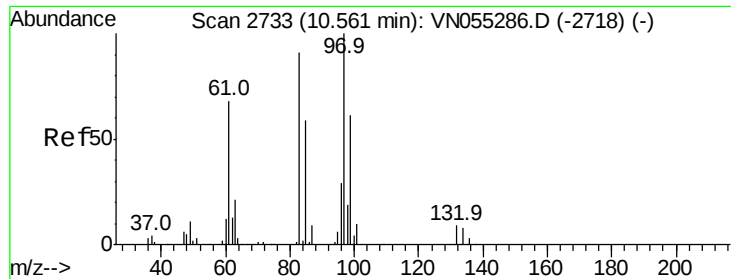
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#54
cis-1,3-Dichloropropene
Concen: 51.824 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.2	36.2
39	54.3	44.2	66.2





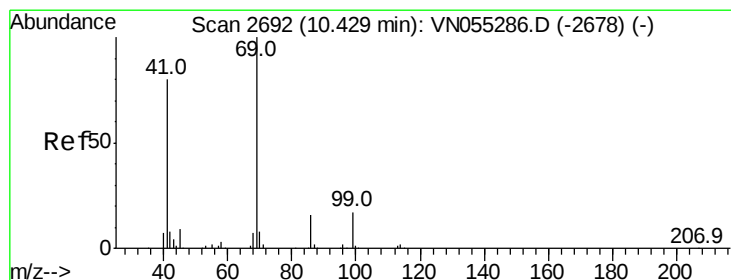
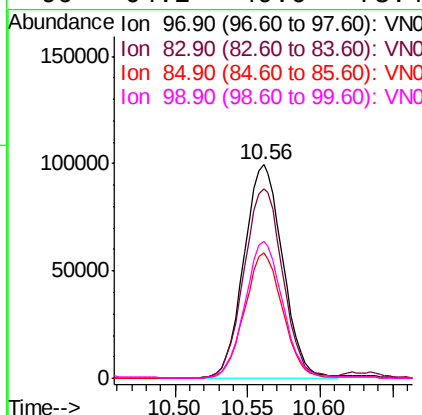
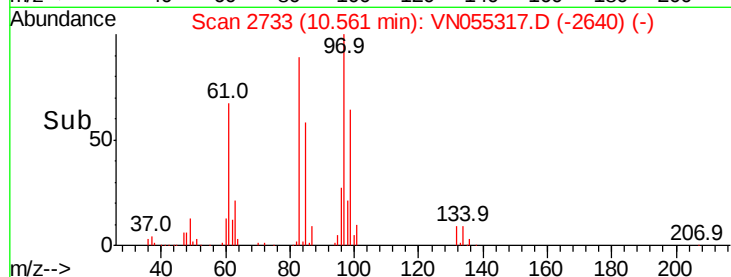
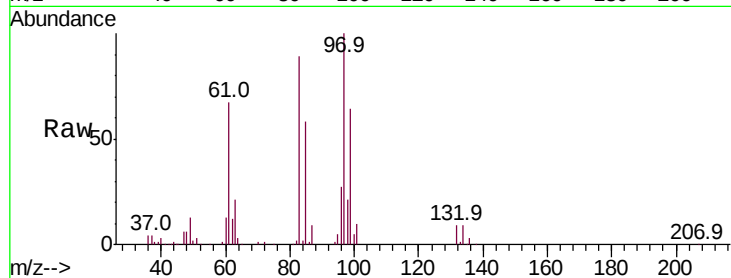
#55
 1,1,2-Trichloroethane
 Concen: 49.218 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	185746
Ion	Ratio	Lower	Upper
97	100		
83	89.0	72.8	109.2
85	58.5	47.0	70.6
99	64.2	49.0	73.4

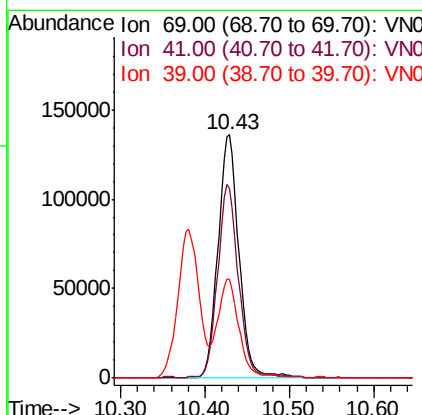
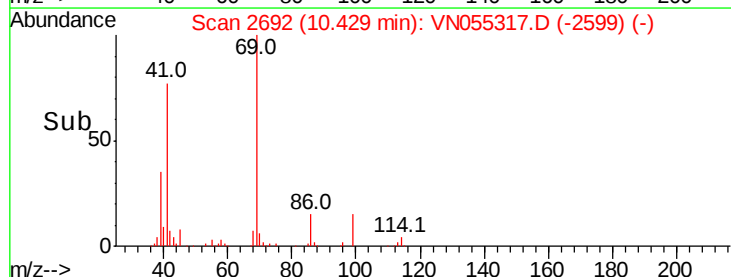
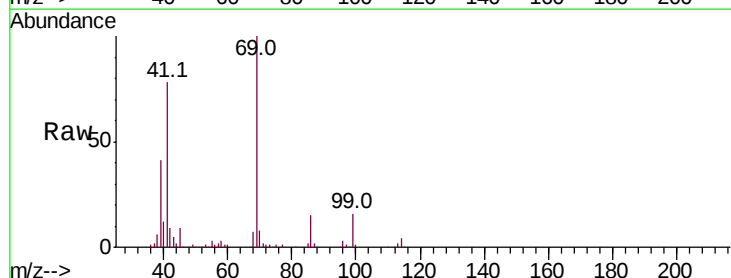
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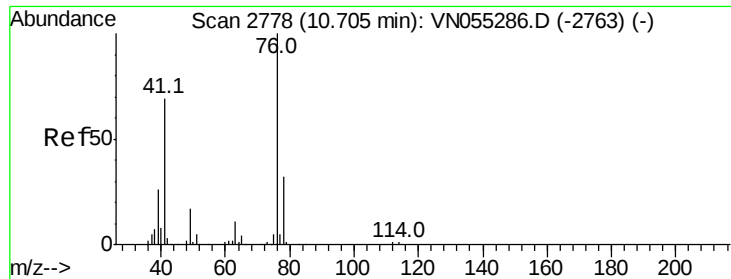
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 5/2/2019 9:33:58 AM



#56
 Ethyl methacrylate
 Concen: 50.657 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Tgt Ion:	69	Resp:	235310
Ion	Ratio	Lower	Upper
69	100		
41	78.7	62.7	94.1
39	39.7	32.0	48.0





#57

1,3-Dichloropropane

Concen: 49.680 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 328907

Ion Ratio Lower Upper

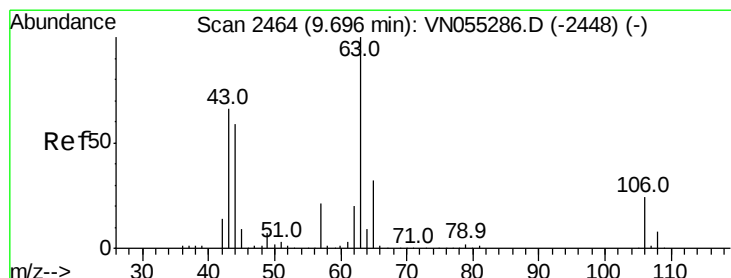
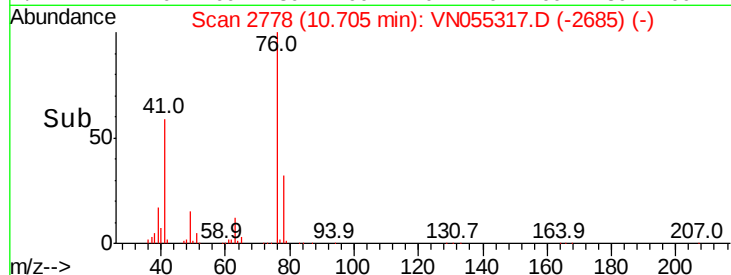
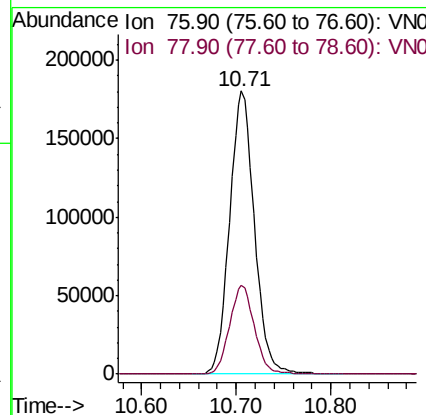
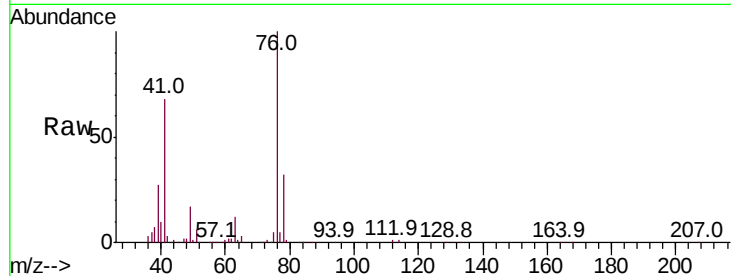
76 100

78 31.5 25.6 38.4

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5/2/2019 9:33:58 AM



#58

2-Chloroethyl Vinyl ether

Concen: 237.507 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055317.D

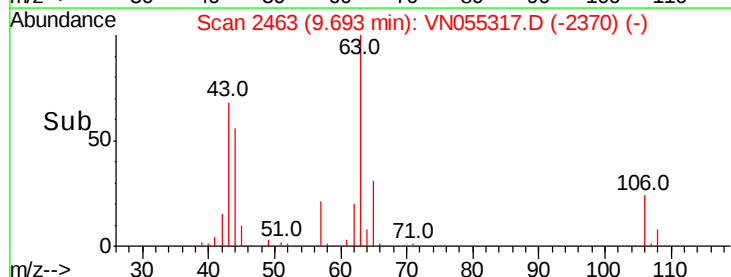
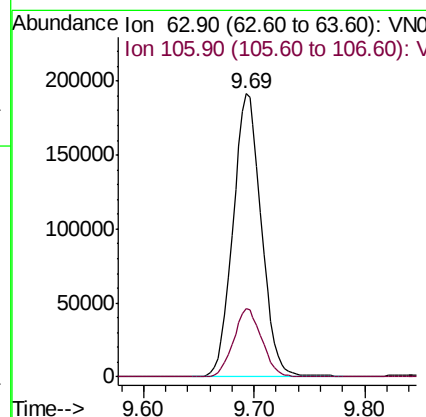
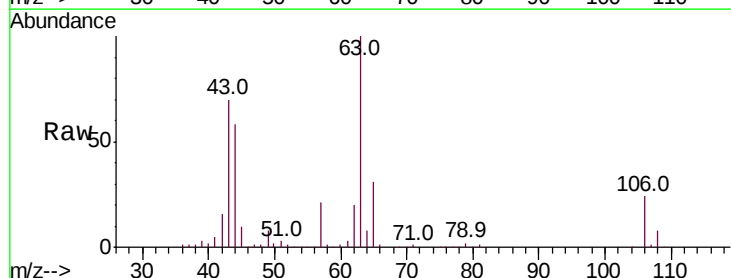
Acq: 1 May 2019 9:47

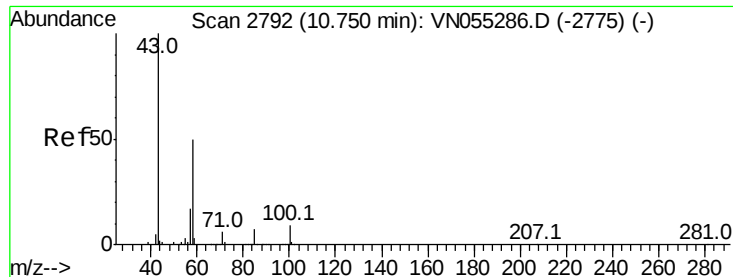
Tgt Ion: 63 Resp: 341451

Ion Ratio Lower Upper

63 100

106 23.9 19.0 28.4





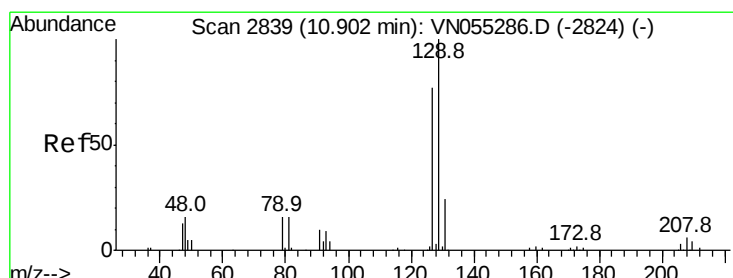
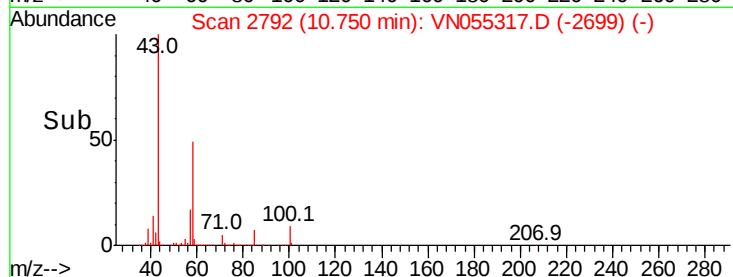
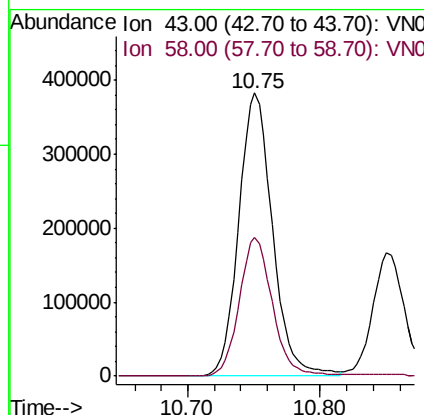
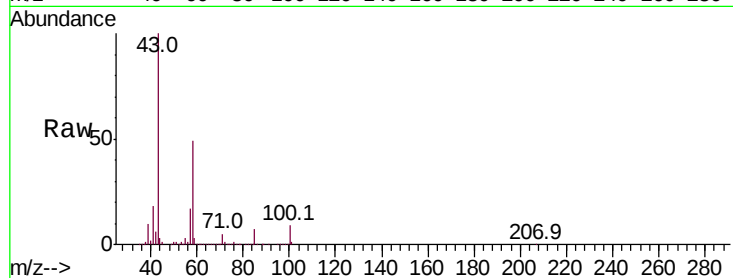
#59
2-Hexanone
Concen: 258.747 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.5	24.9	74.6

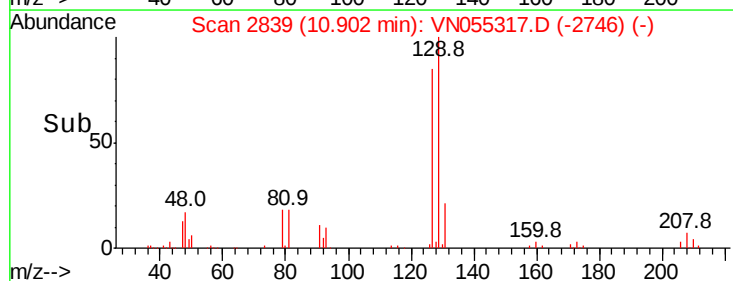
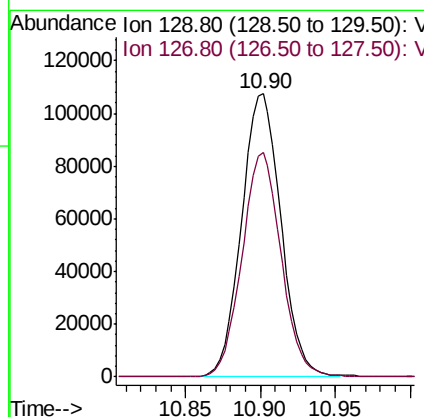
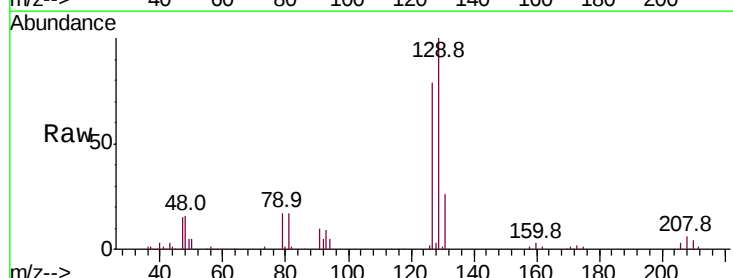
Manual Integrations
APPROVED

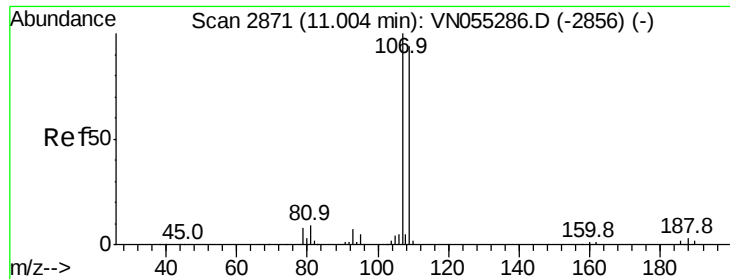
MMDadoda
5/2/2019 9:33:58 AM



#60
Dibromochloromethane
Concen: 51.093 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.1	114.5





#61

1,2-Dibromoethane

Concen: 50.318 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 175521

Ion Ratio Lower Upper

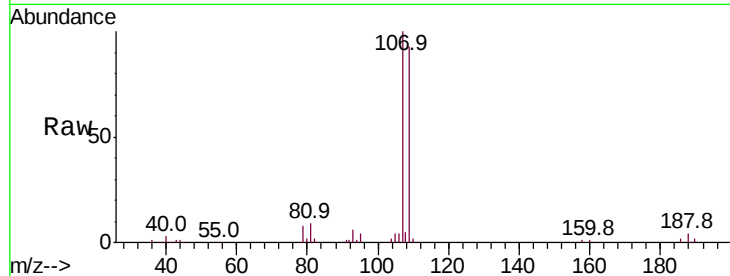
107 100

109 93.5 75.0 112.6

Manual Integrations
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MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

100000

80000

60000

40000

20000

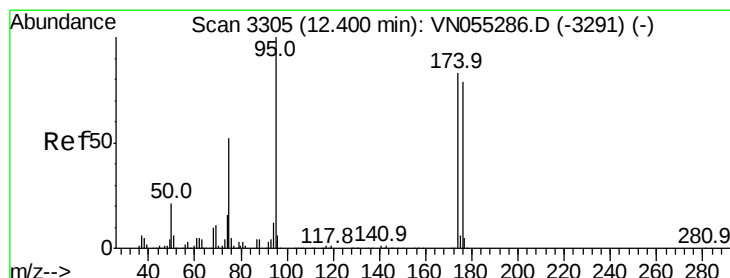
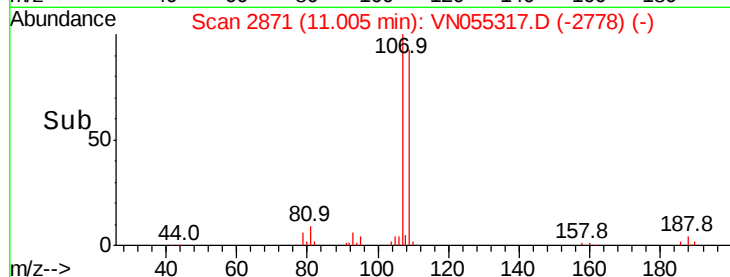
0

Time-->

10.90

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 53.258 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

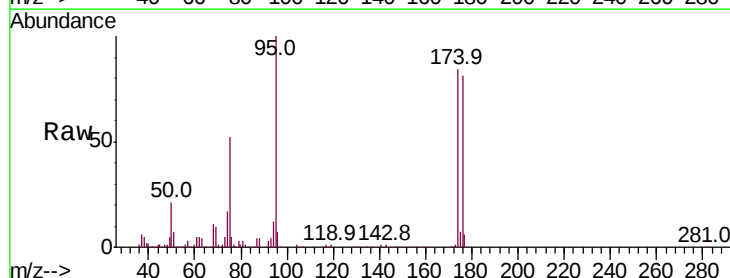
Tgt Ion: 95 Resp: 247466

Ion Ratio Lower Upper

95 100

174 83.2 0.0 166.6

176 79.9 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

100000

50000

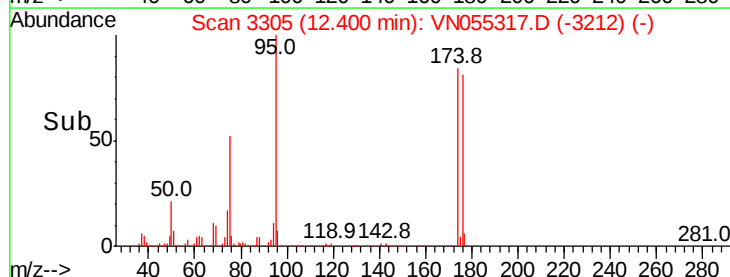
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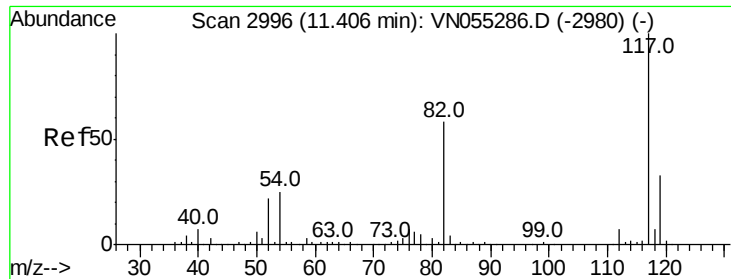
Time-->

12.35

12.40

12.45





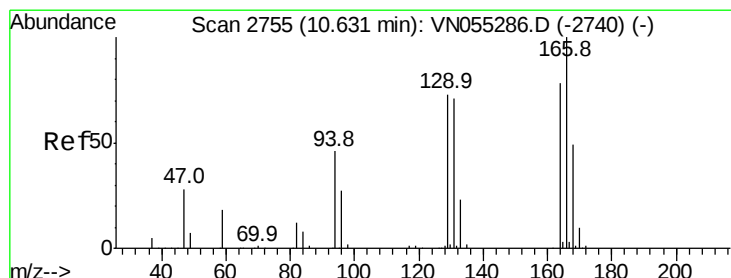
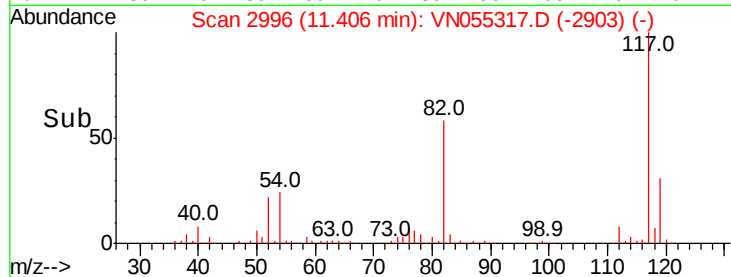
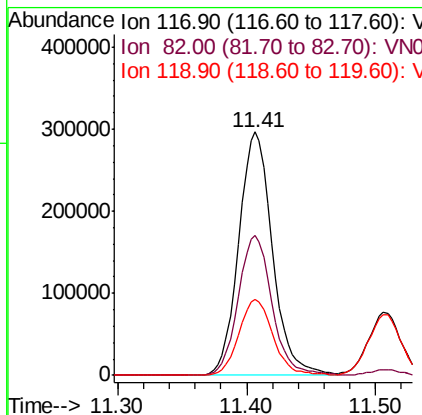
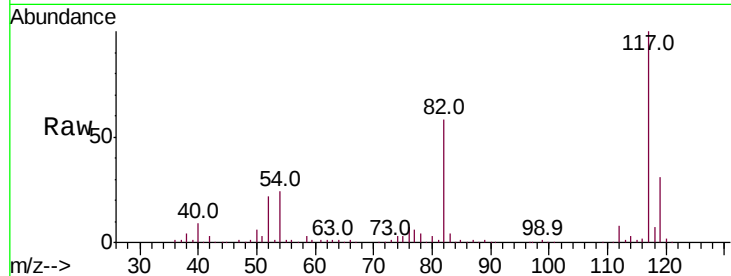
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	57.6	46.2	69.4	
119	31.4	26.6	40.0	

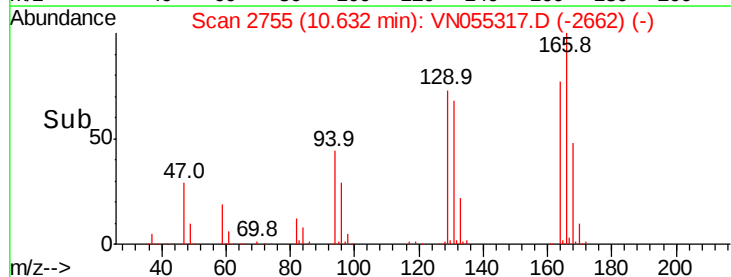
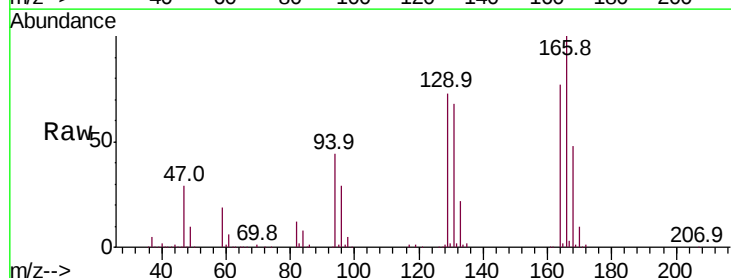
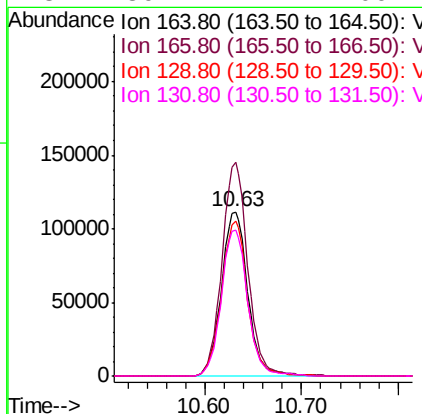
Manual Integrations
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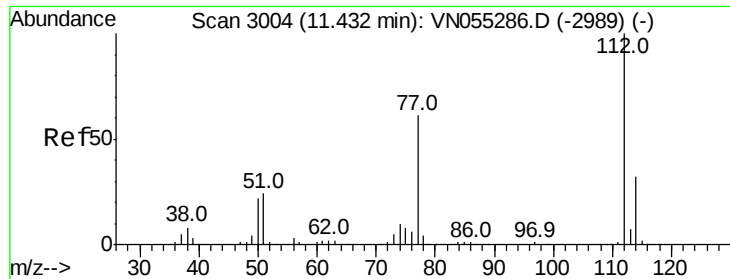
MMDadoda
5/2/2019 9:33:58 AM



#64
Tetrachloroethene
Concen: 47.674 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	130.1	102.3	153.5	
129	94.4	75.0	112.6	
131	89.1	72.7	109.1	





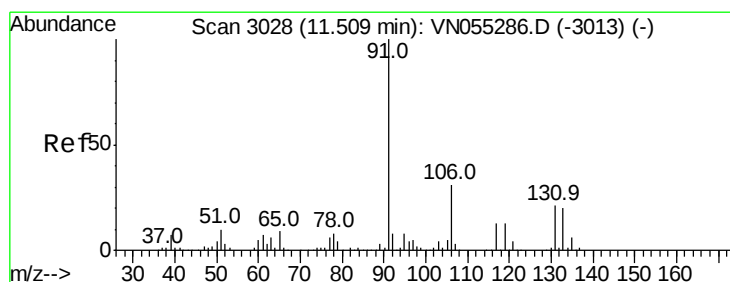
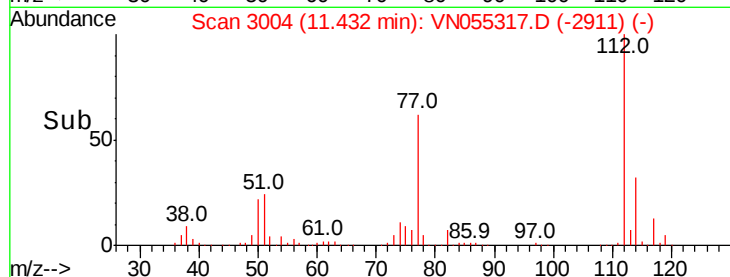
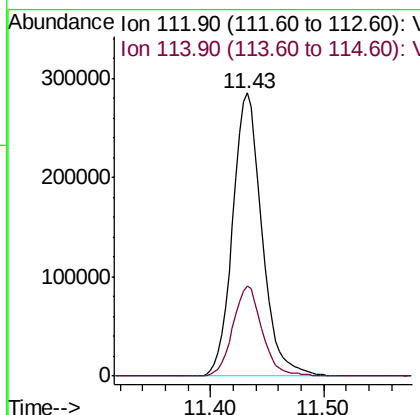
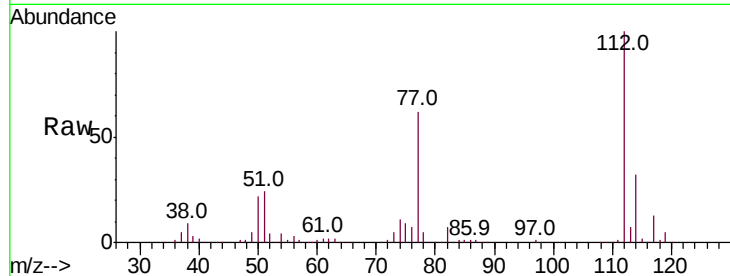
#65
Chlorobenzene
Concen: 48.610 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.3	37.9

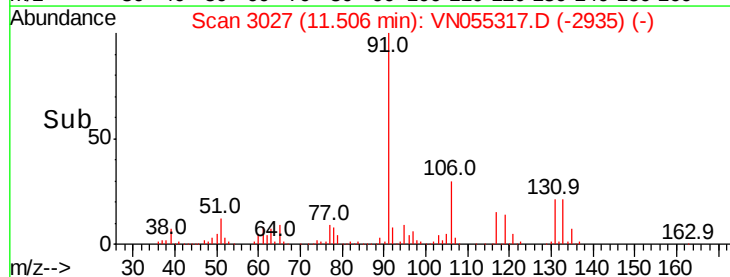
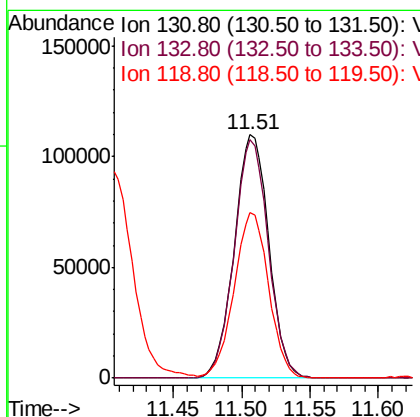
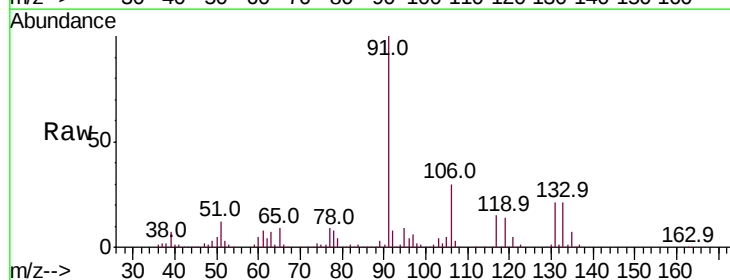
Manual Integrations
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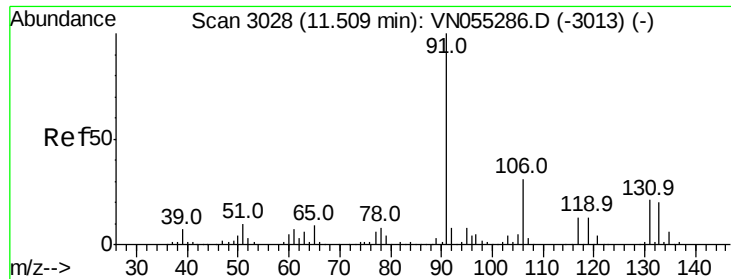
MMDadoda
5/2/2019 9:33:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.843 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.5	142.6
119	68.0	32.7	98.1





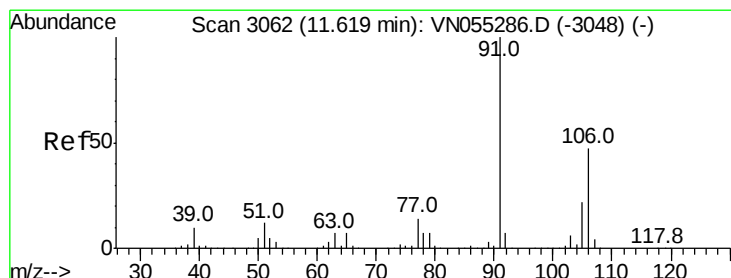
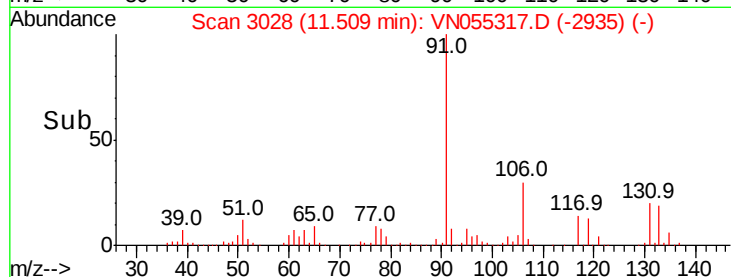
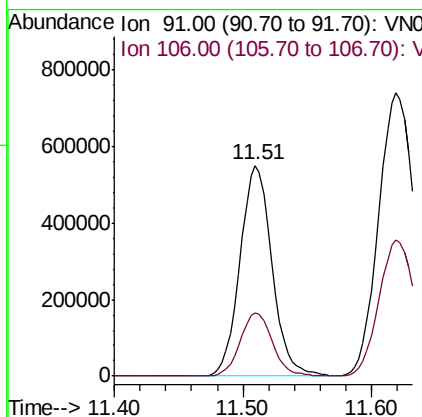
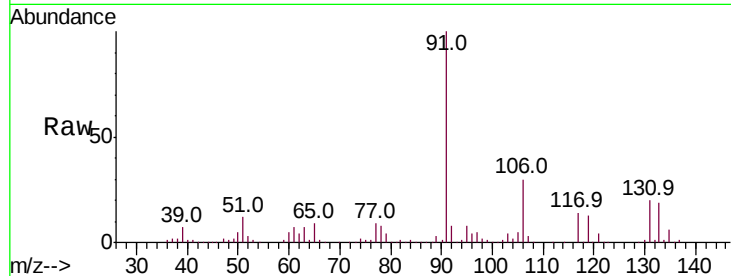
#67
Ethyl Benzene
Concen: 49.953 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 951604
Ion Ratio Lower Upper
91 100
106 30.2 24.6 36.8

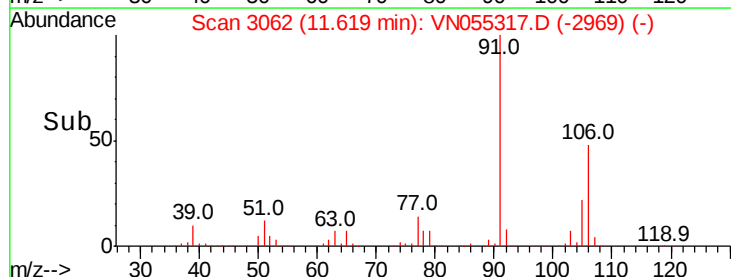
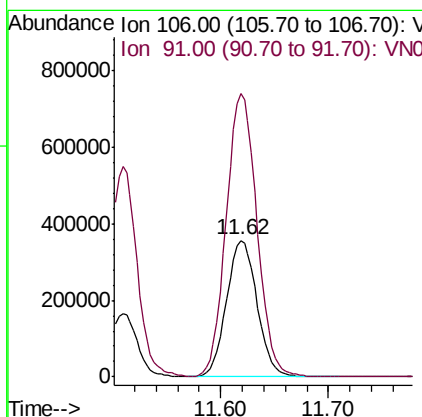
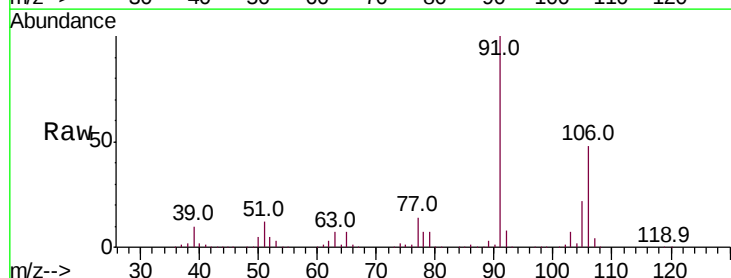
Manual Integrations
APPROVED

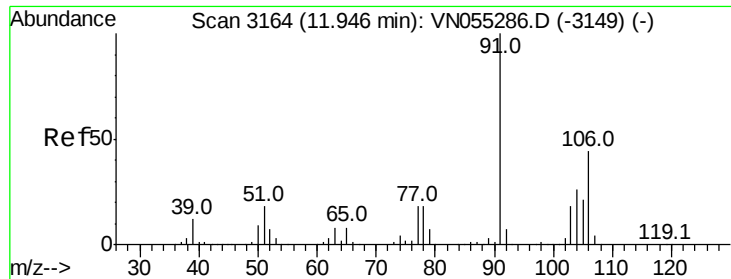
MMDadoda
5/2/2019 9:33:58 AM



#68
m/p-Xylenes
Concen: 103.265 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion: 106 Resp: 702181
Ion Ratio Lower Upper
106 100
91 208.7 169.5 254.3





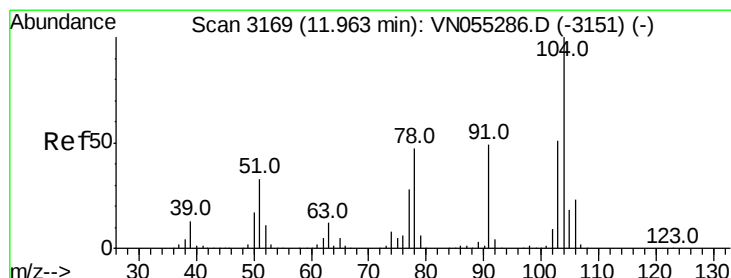
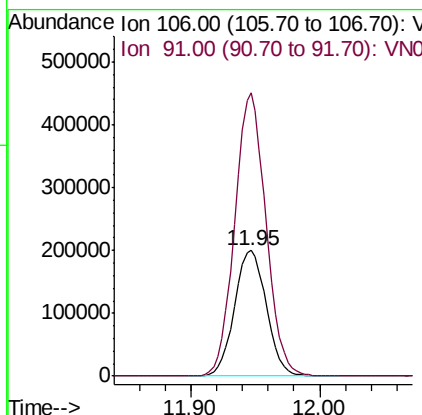
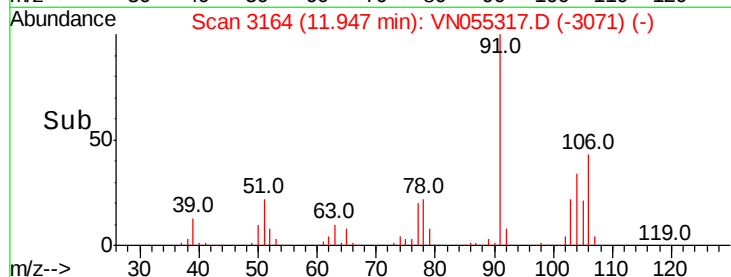
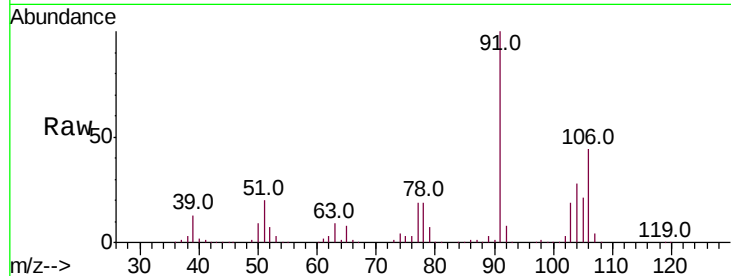
#69
o-Xylene
Concen: 51.006 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 343769
Ion Ratio Lower Upper
106 100
91 220.6 111.5 334.5

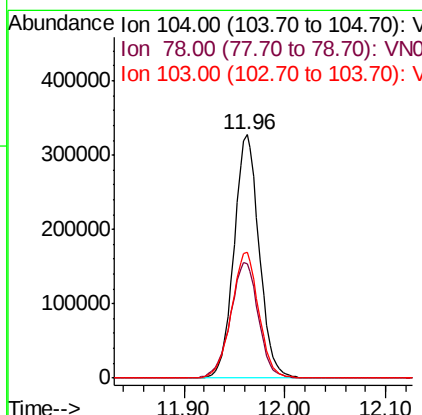
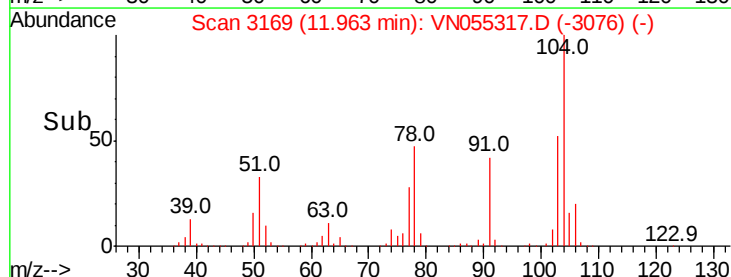
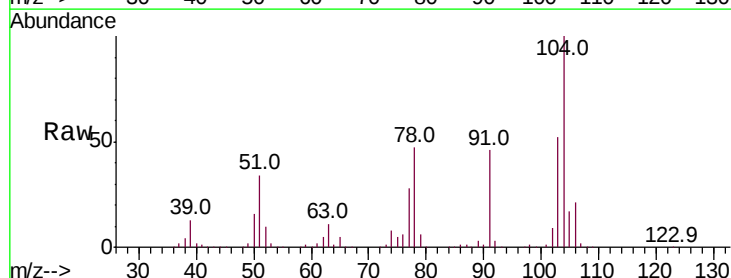
Manual Integrations
APPROVED

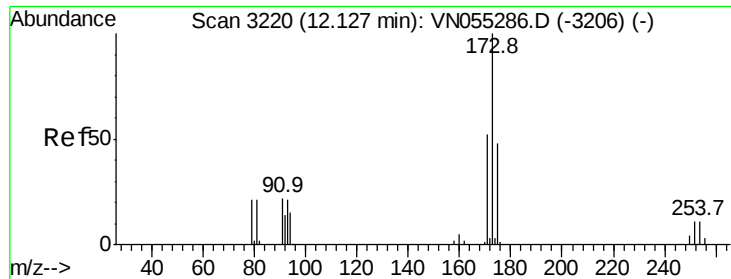
MMDadoda
5/2/2019 9:33:58 AM



#70
Styrene
Concen: 54.918 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion:104 Resp: 568308
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.2
103 56.0 44.6 67.0





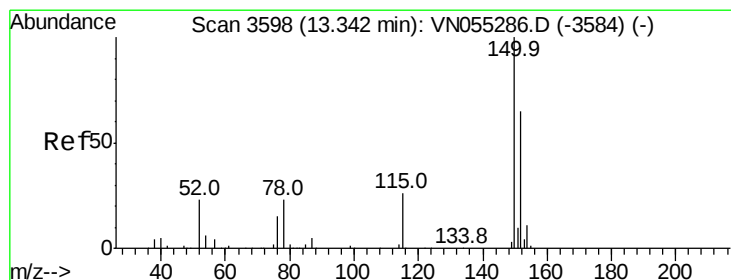
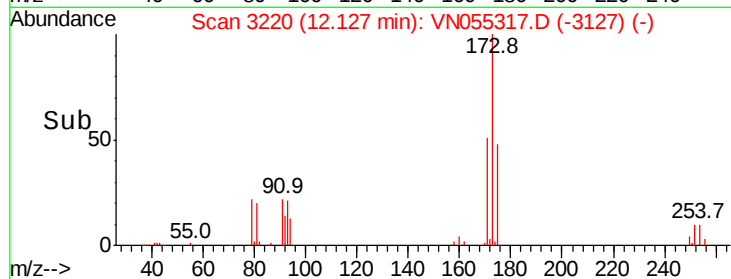
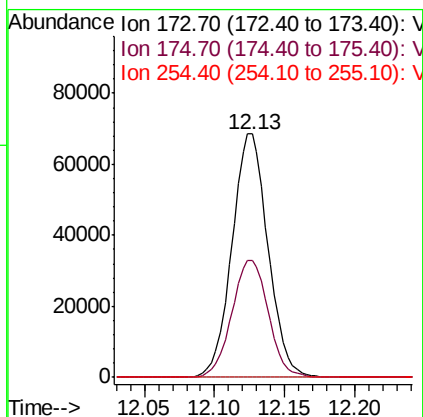
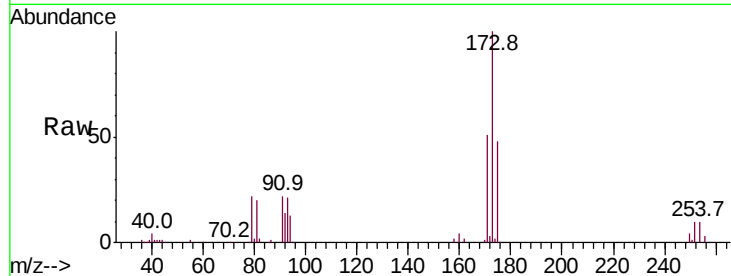
#71
Bromoform
Concen: 53.472 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.6	71.0
254	0.0	0.0	0.0

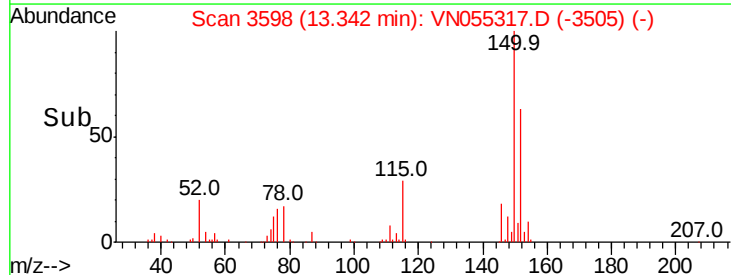
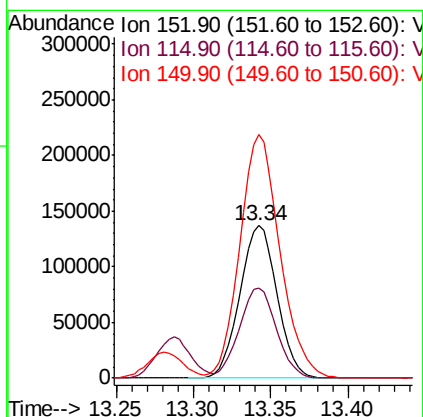
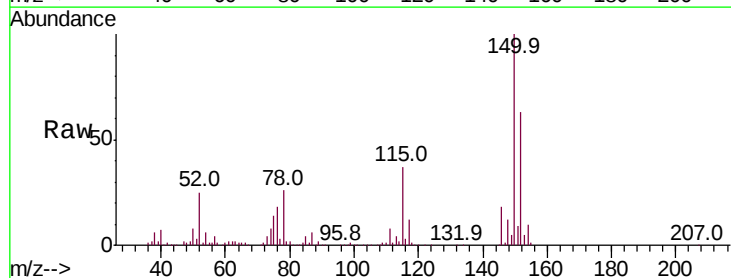
Manual Integrations
APPROVED

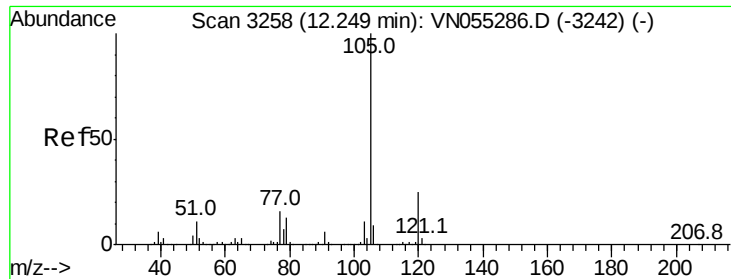
MMDadoda
5/2/2019 9:33:58 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.0	87.0
150	171.9	0.0	345.6





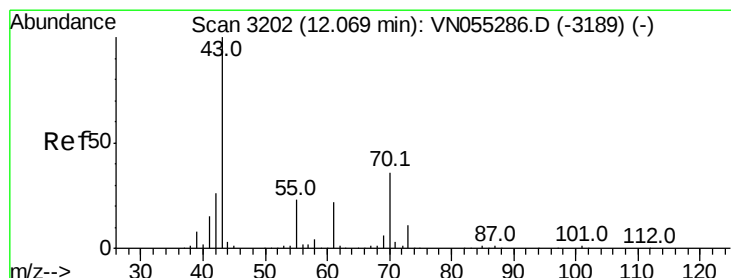
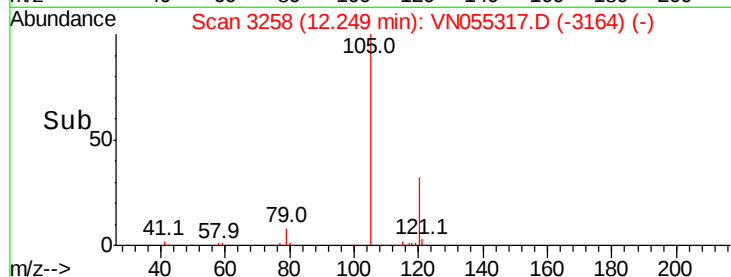
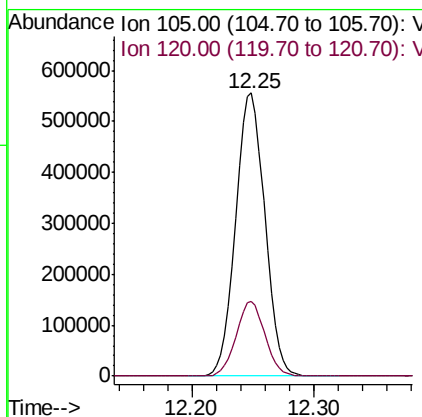
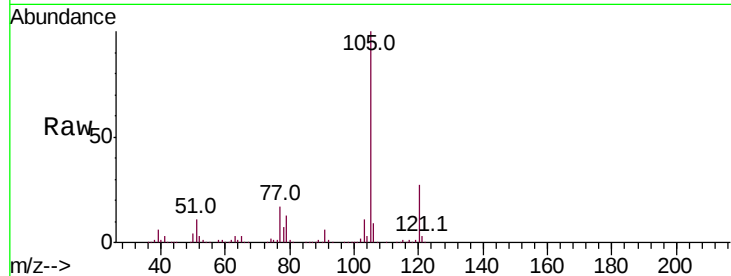
#73
Isopropylbenzene
Concen: 50.727 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7

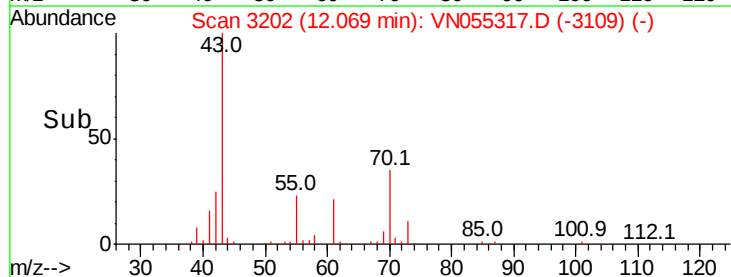
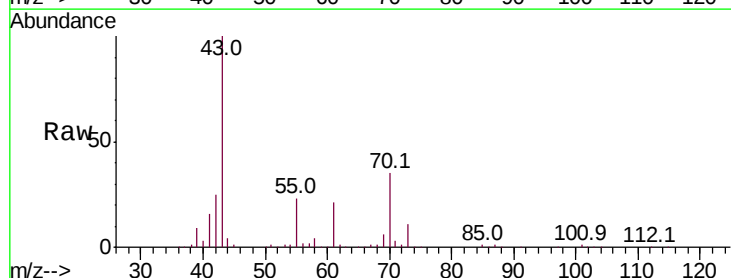
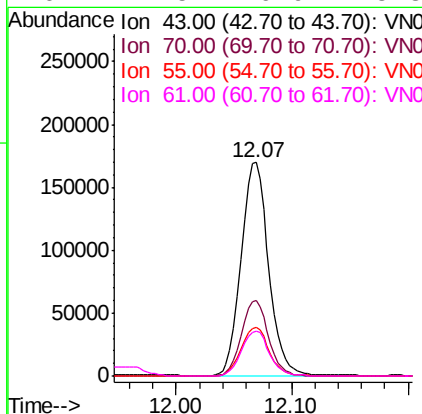
Manual Integrations
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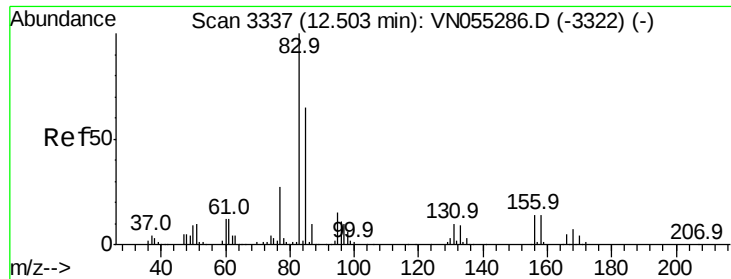
MMDadoda
5/2/2019 9:33:58 AM



#74
N-ethyl acetate
Concen: 47.630 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Lower	Upper
43	100		
70	34.8	27.9	41.9
55	23.5	18.2	27.2
61	21.5	16.9	25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 48.510 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Instrument :

MSVOA_N

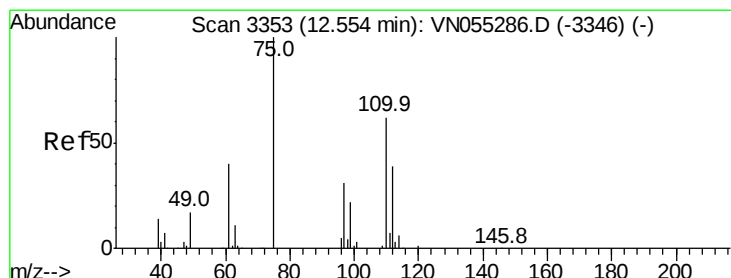
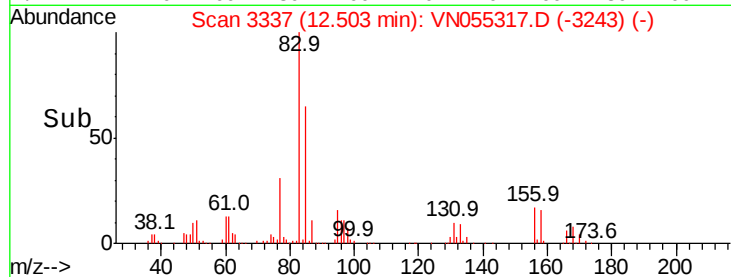
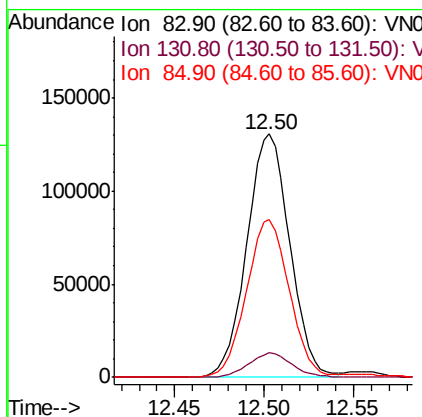
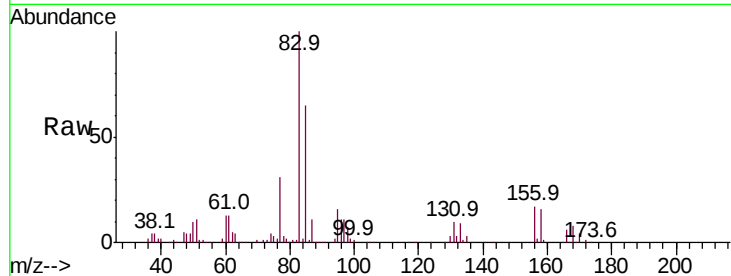
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	219871
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.2
85	64.4	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 41.713 ug/l m

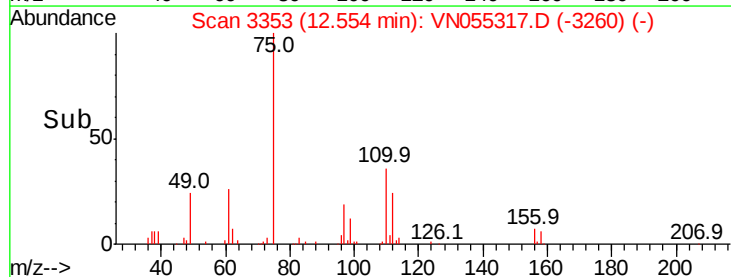
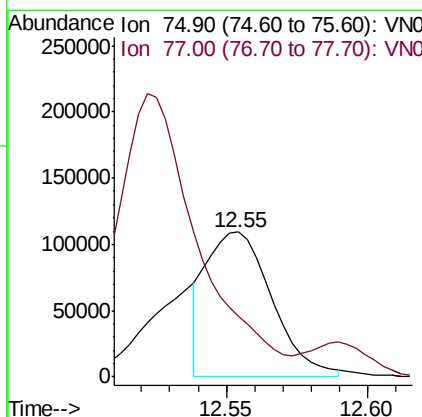
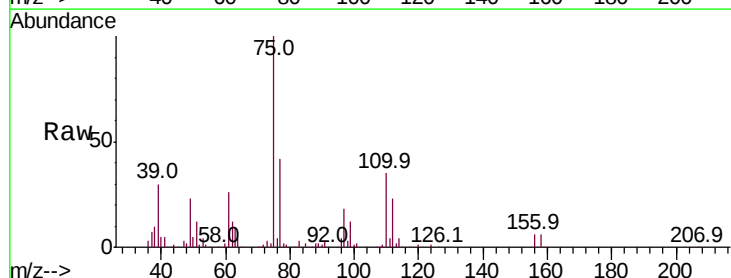
RT: 12.55 min Scan# 3353

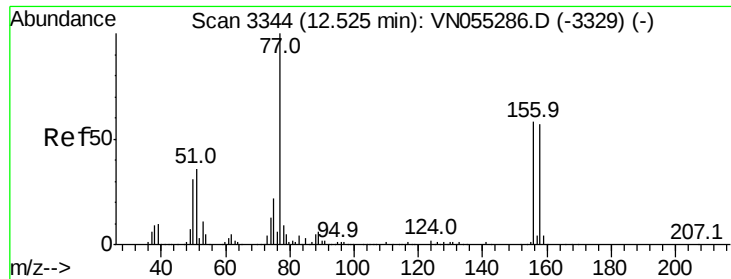
Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Tgt Ion:	75	Resp:	178791
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.454 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Instrument :

MSVOA_N

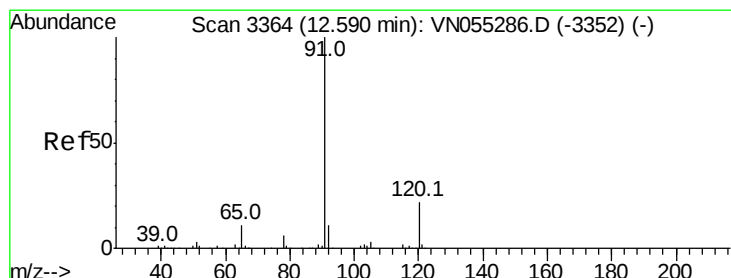
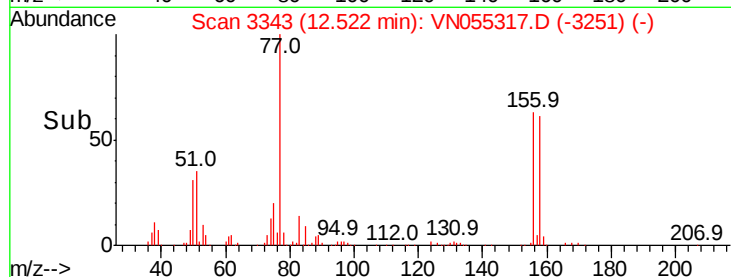
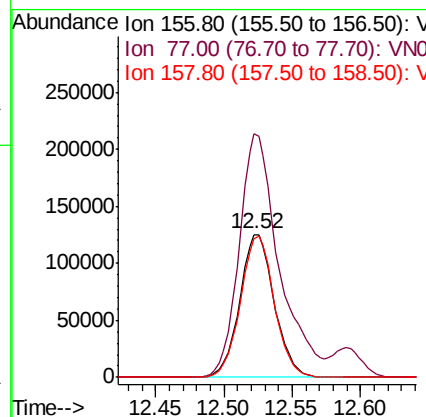
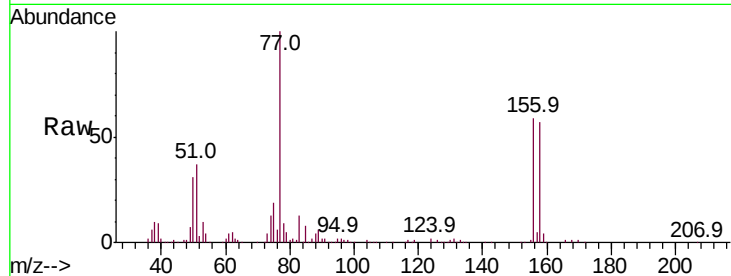
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	219655
Ion Ratio	Lower	Upper	
156	100		
77	197.6	99.6	298.8
158	97.1	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 44.170 ug/l

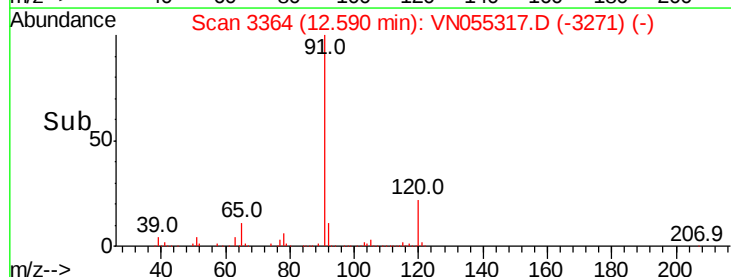
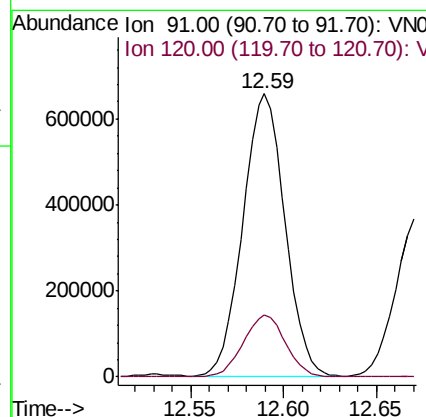
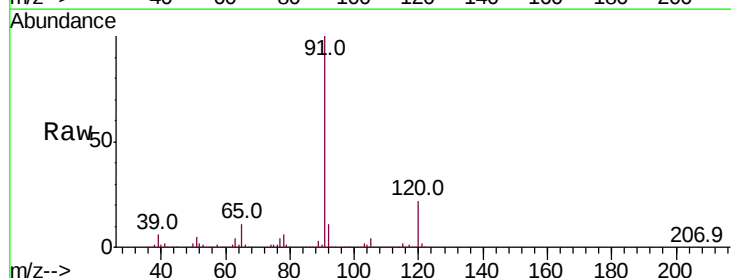
RT: 12.59 min Scan# 3364

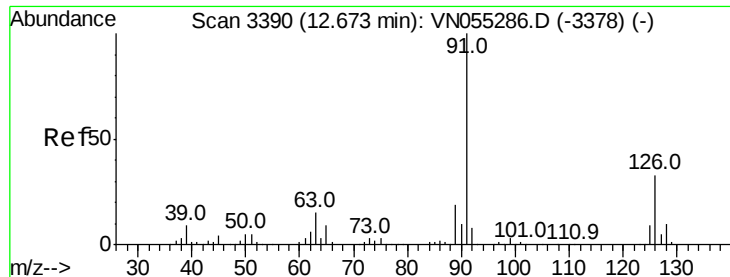
Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Tgt Ion:	91	Resp:	1035896
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.0	33.0





#79

2-Chlorotoluene

Concen: 51.476 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 635973

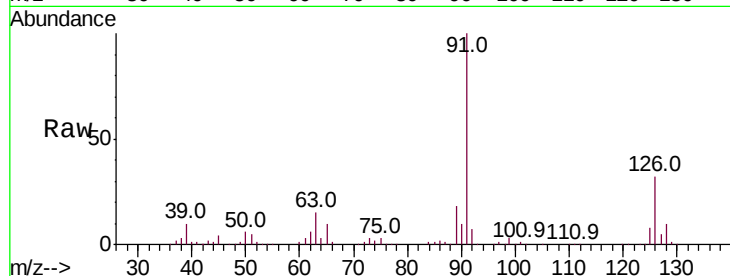
Ion Ratio Lower Upper

91 100

126 33.1 16.6 49.7

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

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

600000

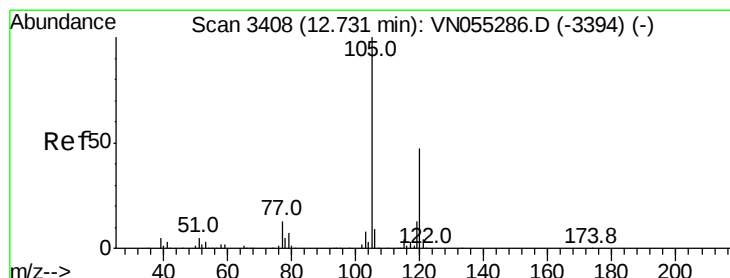
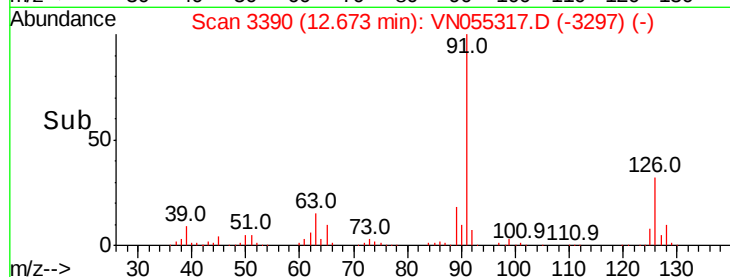
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 44.164 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055317.D

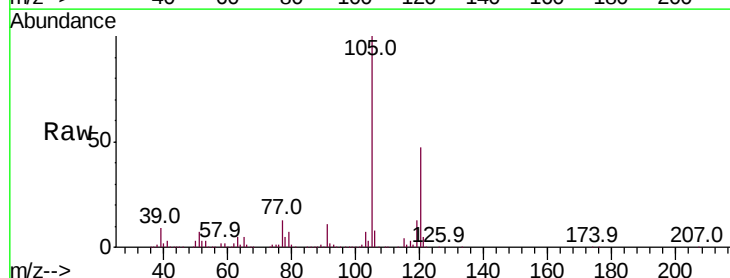
Acq: 1 May 2019 9:47

Tgt Ion:105 Resp: 790494

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.0



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

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

600000

500000

400000

300000

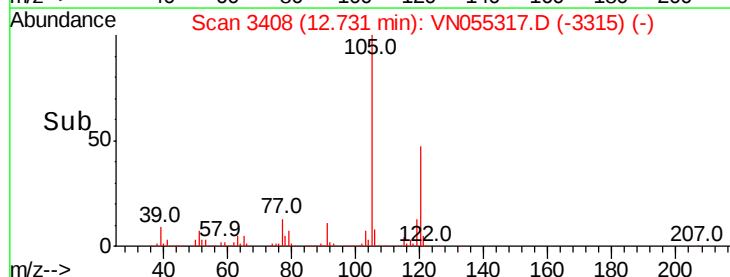
200000

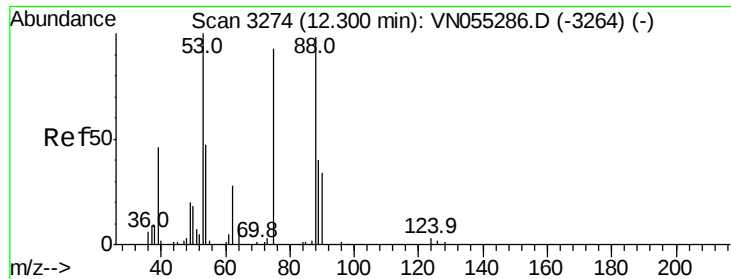
100000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.054 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Instrument :

MSVOA_N

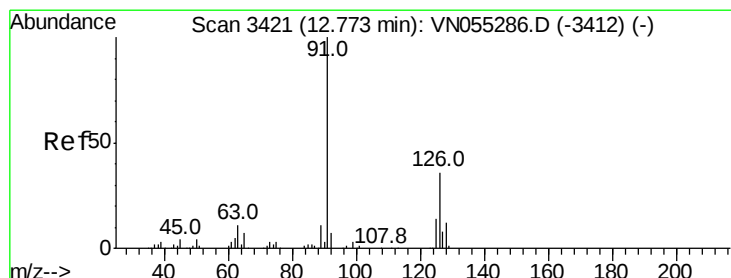
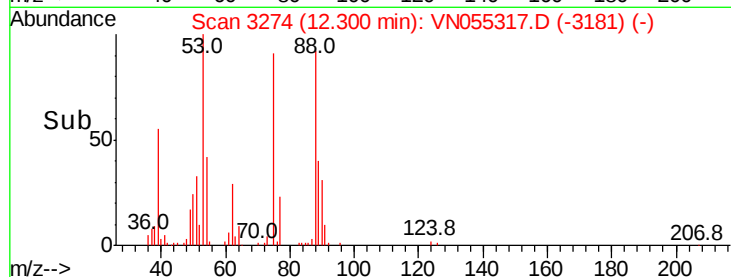
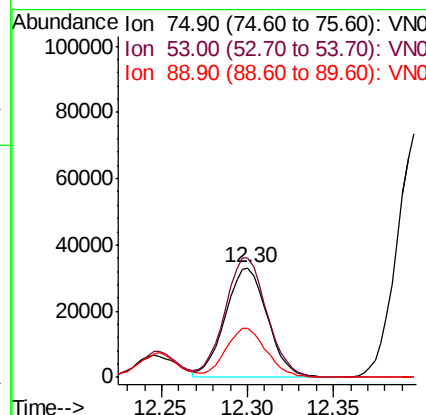
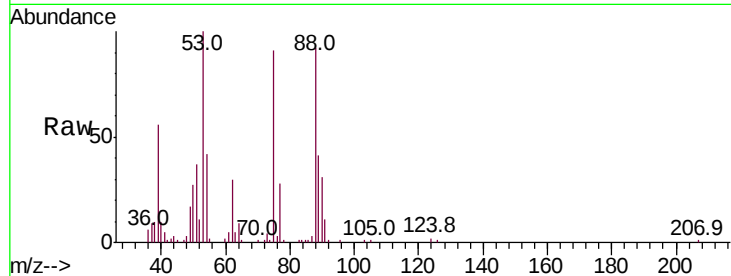
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	56689
Ion	Ratio	Lower	Upper
75	100		
53	108.2	86.3	129.5
89	43.4	34.6	51.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.535 ug/l

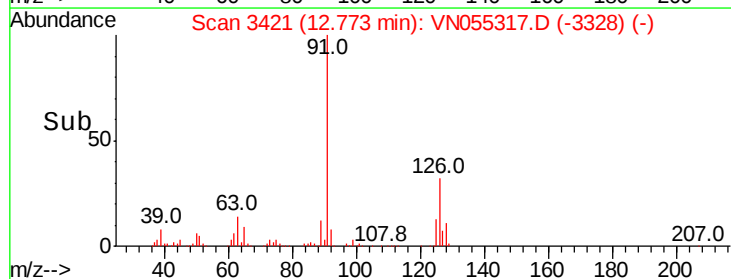
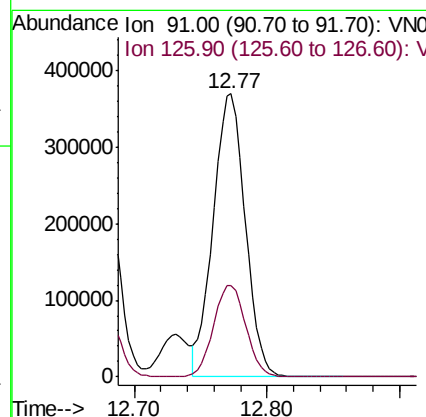
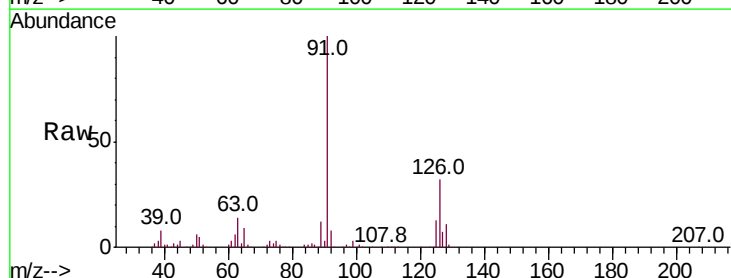
RT: 12.77 min Scan# 3421

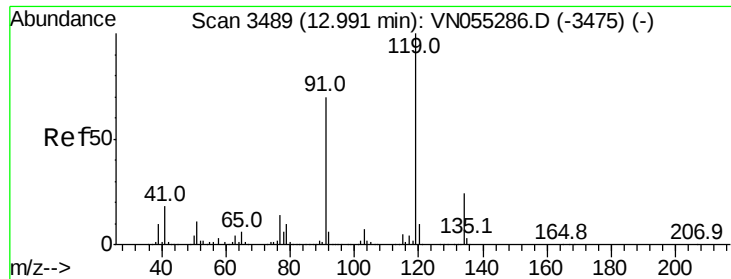
Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Tgt Ion:	91	Resp:	620915
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.6	49.7





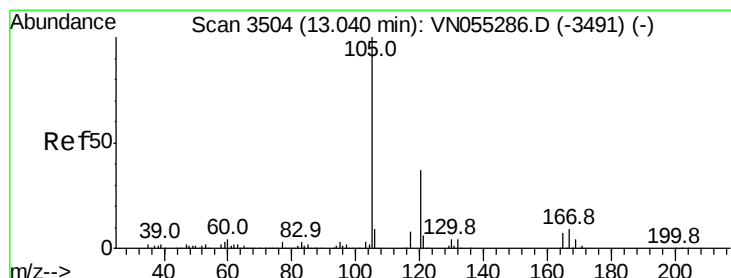
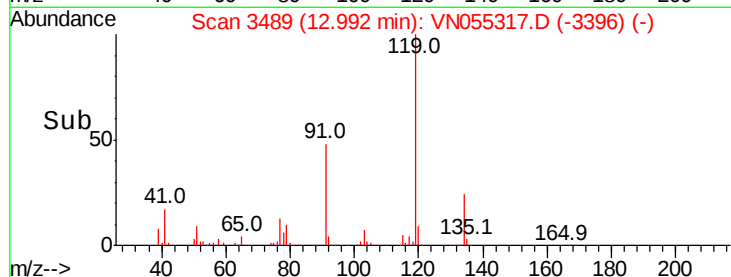
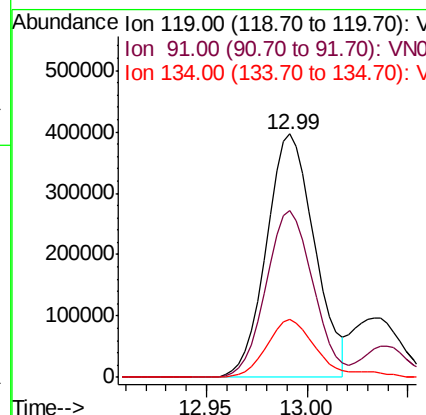
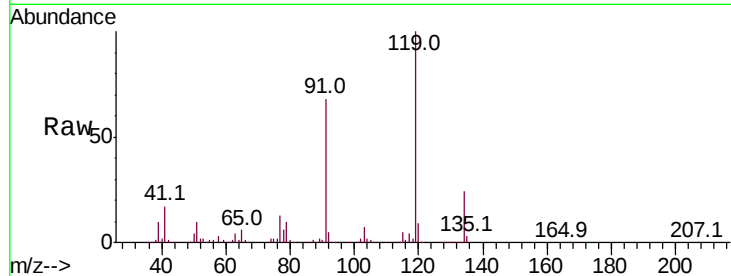
#83
tert-Butylbenzene
Concen: 52.093 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	34.3	102.9
134	25.4	13.1	39.3

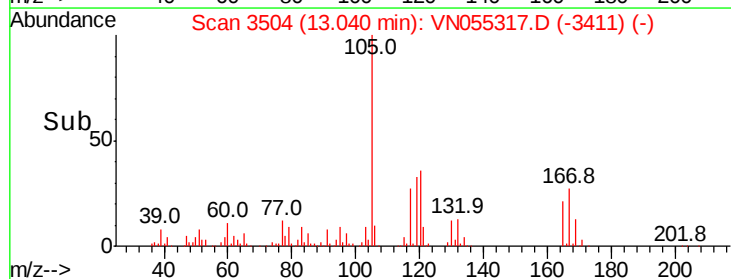
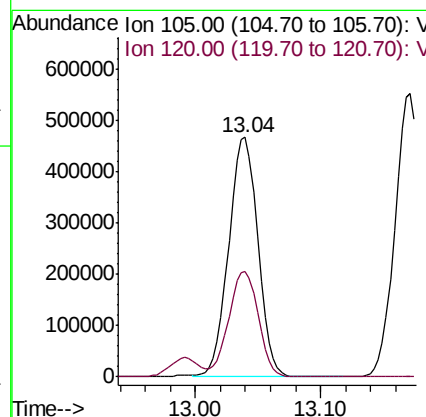
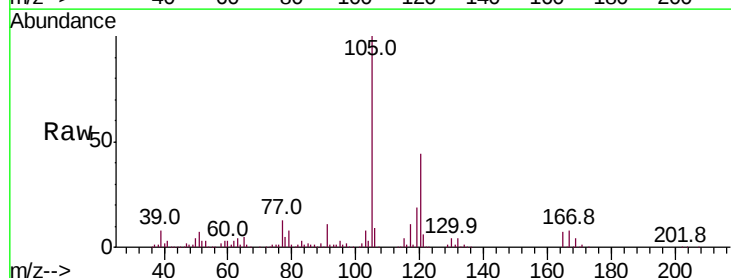
Manual Integrations
APPROVED

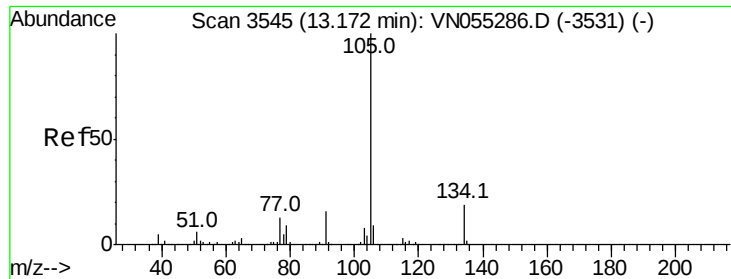
MMDadoda
5/2/2019 9:33:58 AM



#84
1,2,4-Trimethylbenzene
Concen: 47.148 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.5





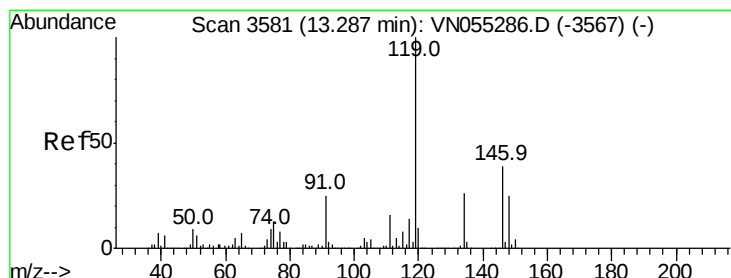
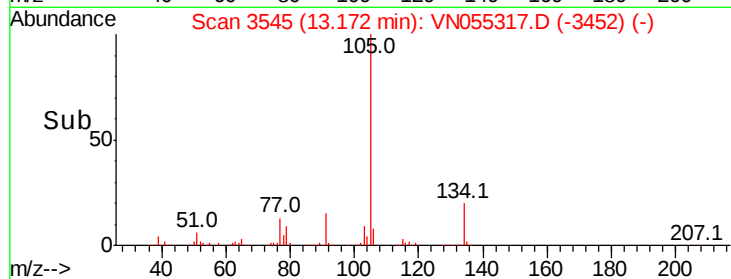
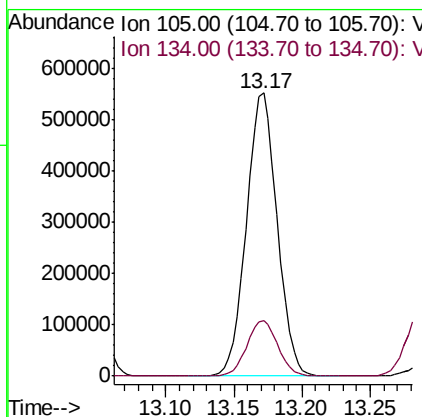
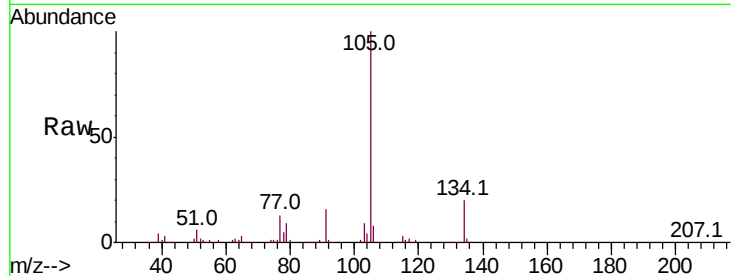
#85
 sec-Butylbenzene
 Concen: 44.243 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.6	28.8

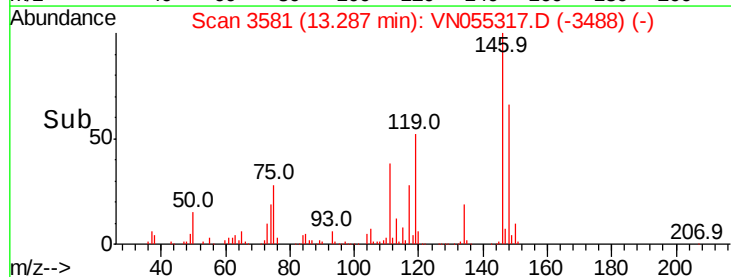
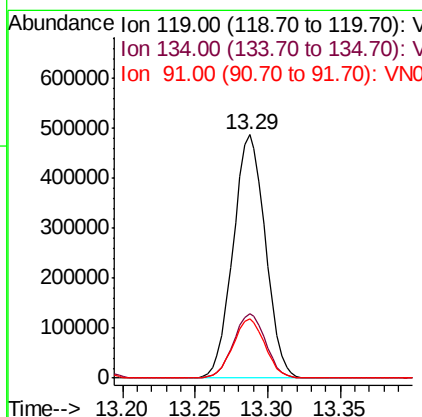
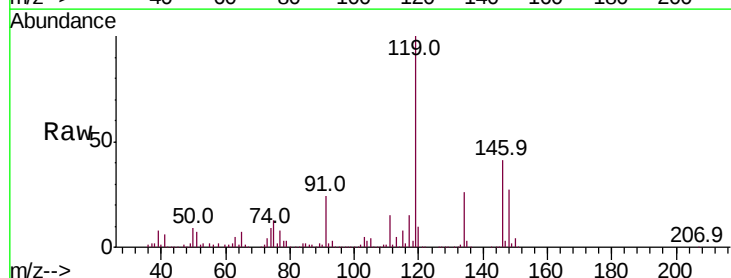
Manual Integrations
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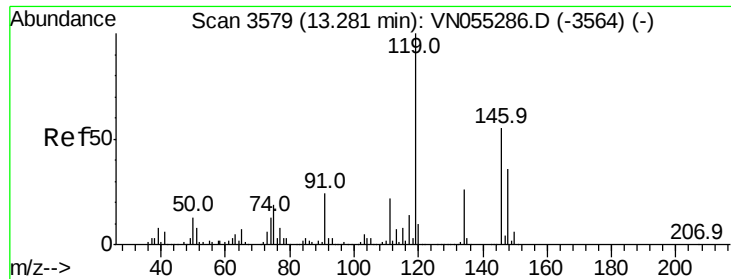
MMDadoda
 5/2/2019 9:33:58 AM



#86
 p-Isopropyltoluene
 Concen: 47.025 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.0	38.9
91	24.2	12.2	36.6





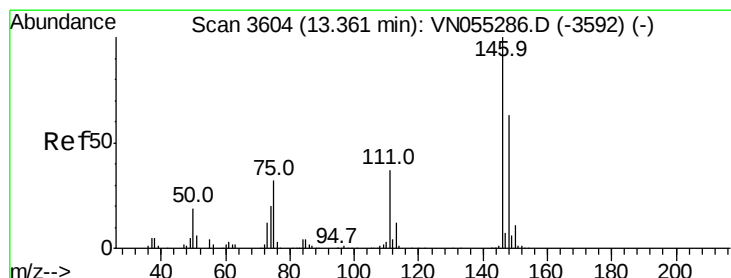
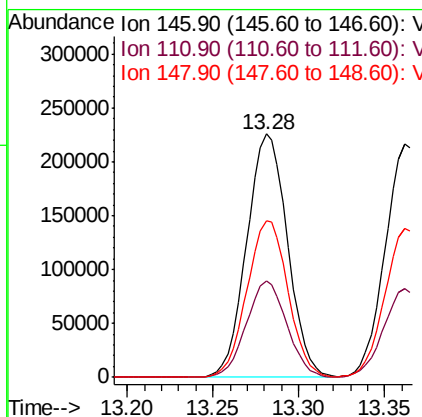
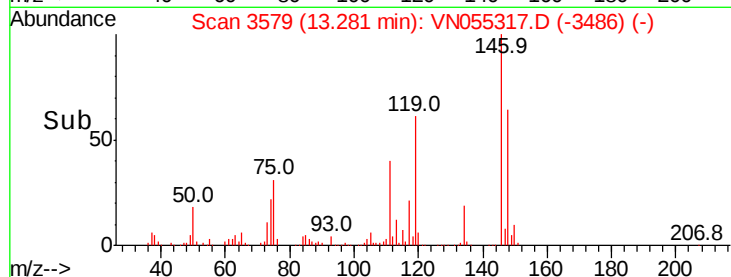
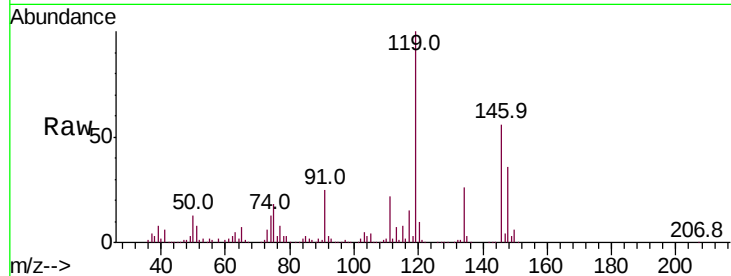
#87
 1,3-Dichlorobenzene
 Concen: 48.578 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	64.8	32.5	97.5

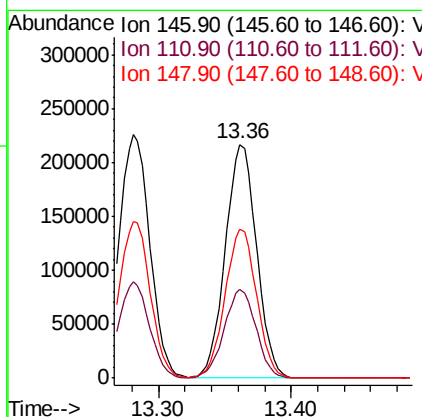
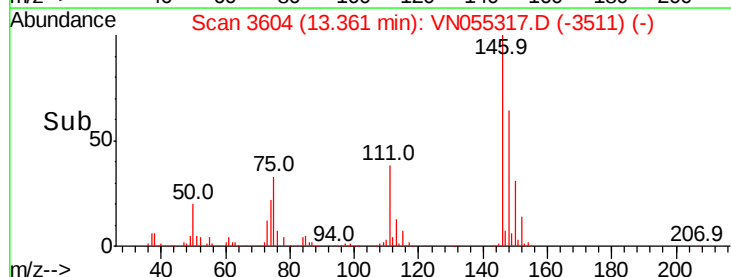
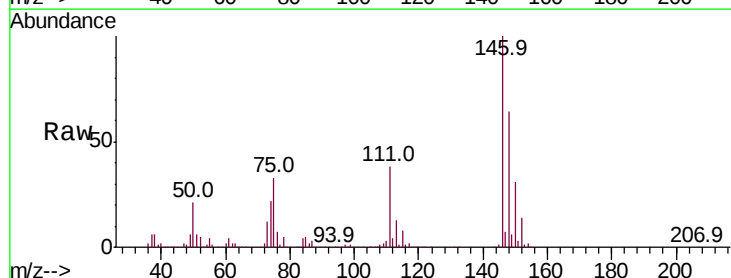
Manual Integrations
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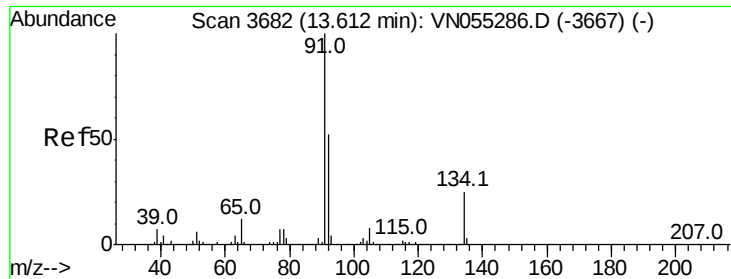
MMDadoda
 5/2/2019 9:33:58 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.477 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.5	58.5
148	64.1	32.5	97.4





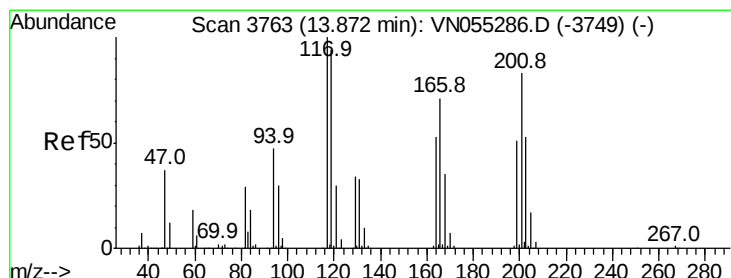
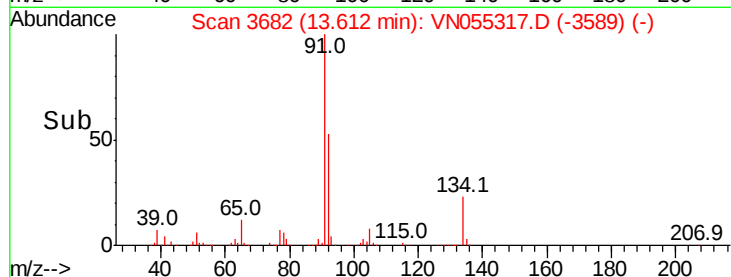
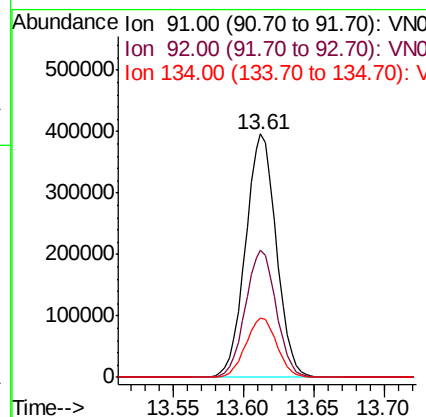
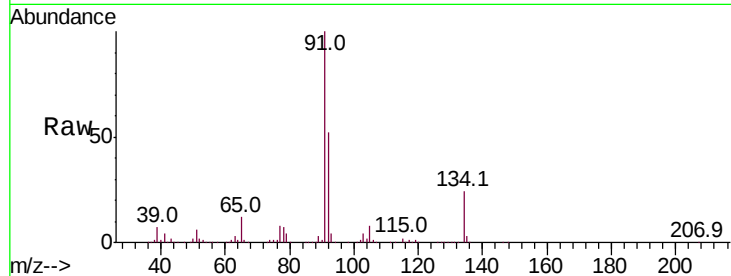
#89
n-Butylbenzene
Concen: 53.260 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.1	78.3
134	24.7	12.4	37.4

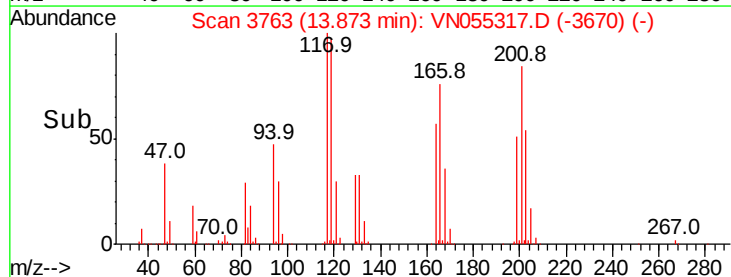
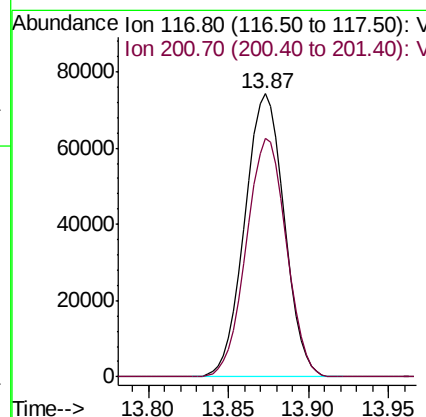
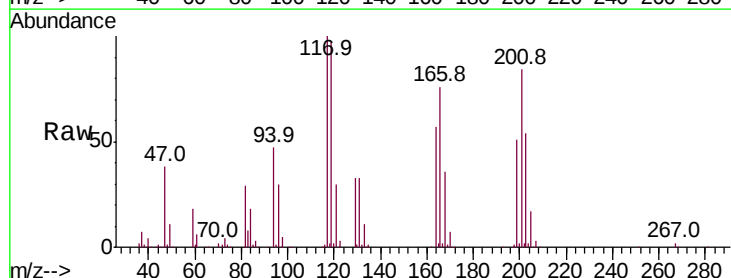
Manual Integrations
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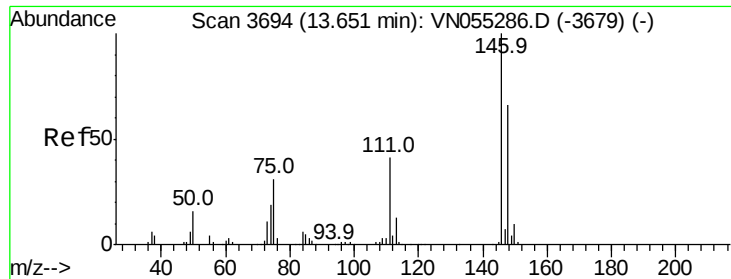
MMDadoda
5/2/2019 9:33:58 AM



#90
Hexachloroethane
Concen: 49.407 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055317.D
Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	41.9	125.8





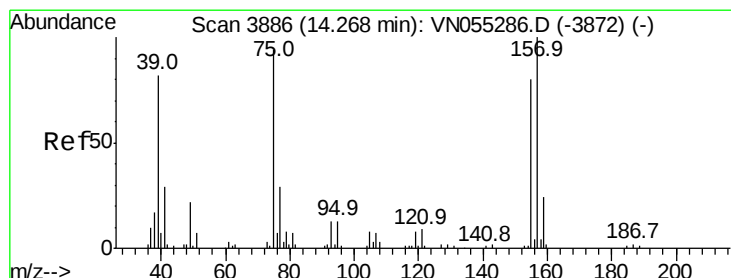
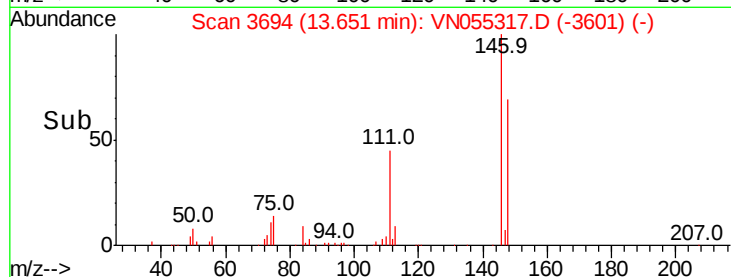
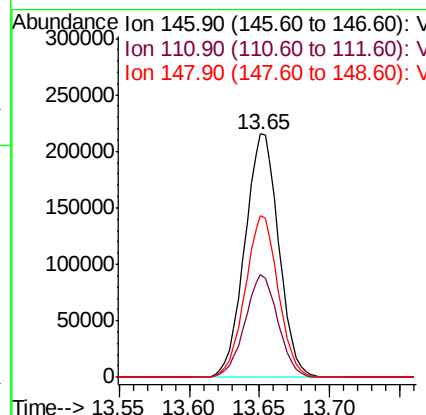
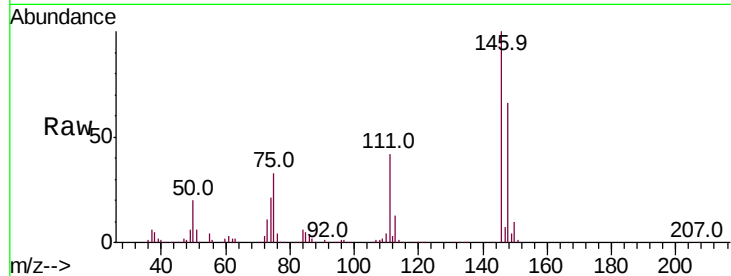
#91
 1,2-Dichlorobenzene
 Concen: 47.848 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	61.0
148	64.7	32.4	97.2

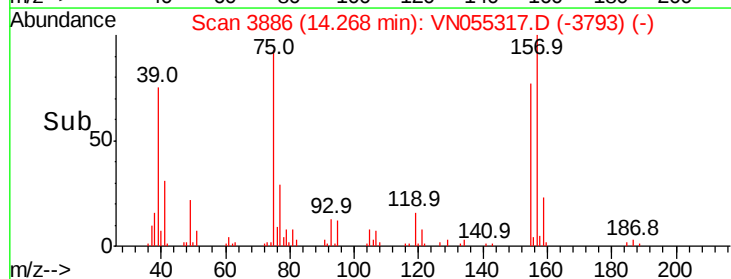
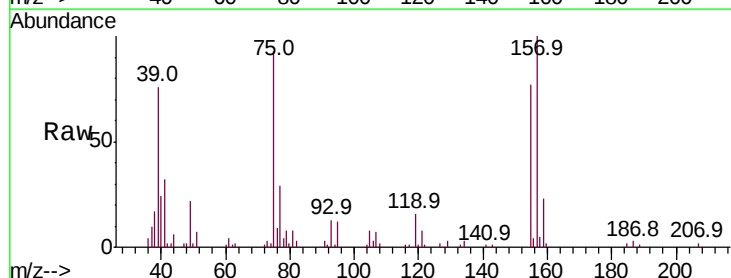
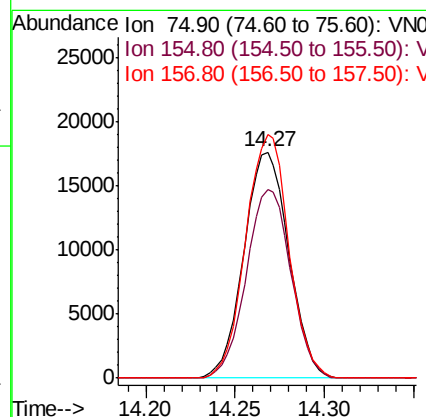
Manual Integrations
 APPROVED

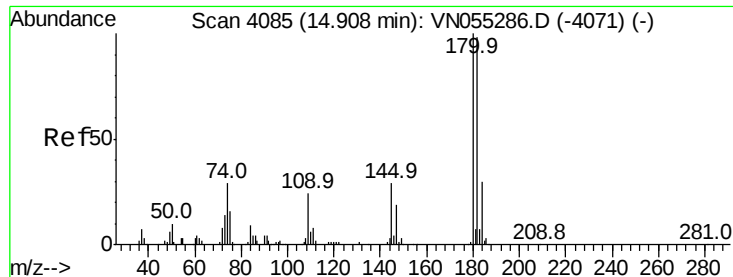
MMDadoda
 5/2/2019 9:33:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.645 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	41.5	124.6
157	103.5	54.0	162.2





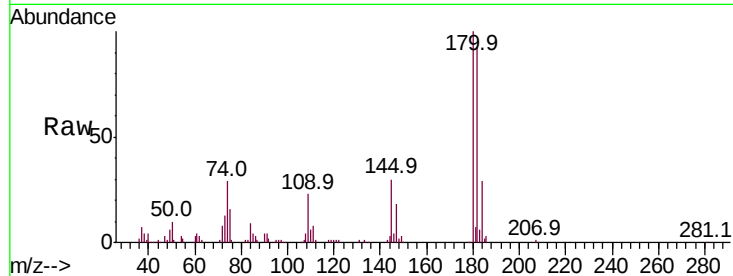
#93
 1,2,4-Trichlorobenzene
 Concen: 47.500 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

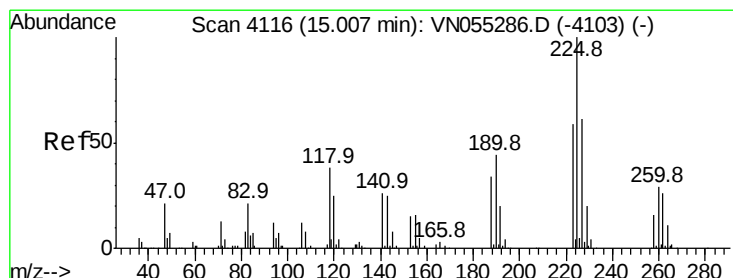
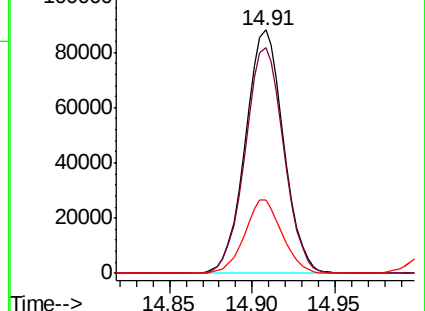
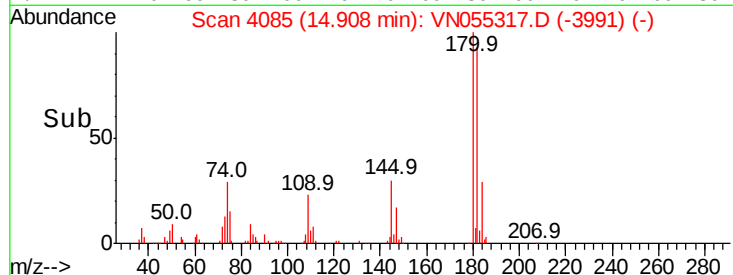
Tot Ion:	180	Resp:	141269
Ion Ratio	Lower	Upper	
180	100		
182	93.4	48.3	144.9
145	29.6	14.2	42.6

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 9:33:58 AM

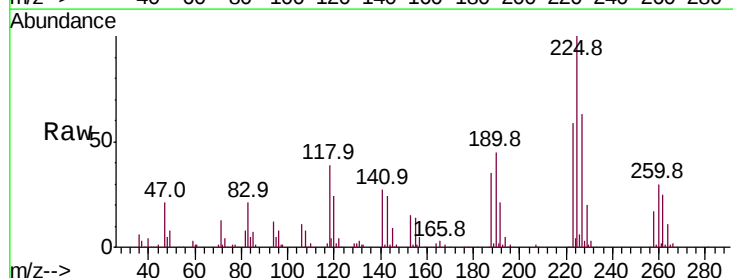


Abundance Ion 179.80 (179.50 to 180.50): V
 120000
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

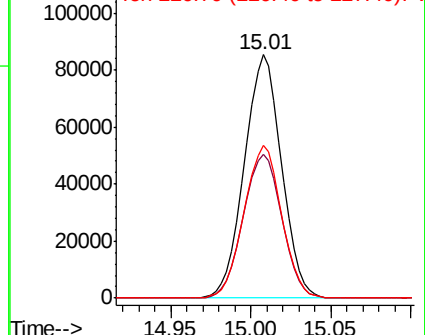
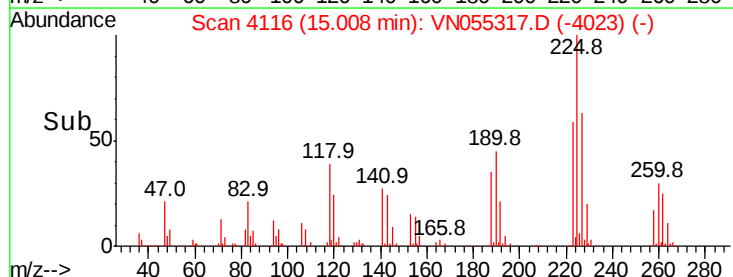


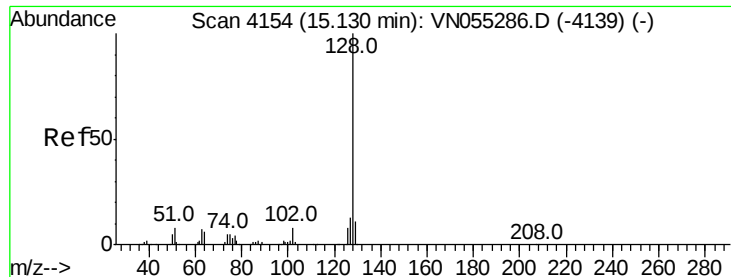
#94
 Hexachlorobutadiene
 Concen: 59.906 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055317.D
 Acq: 1 May 2019 9:47

Tgt Ion:	225	Resp:	135233
Ion Ratio	Lower	Upper	
225	100		
223	61.5	30.3	90.8
227	63.3	30.9	92.7



Abundance Ion 224.70 (224.40 to 225.40): V
 100000
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 42.500 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Instrument :

MSVOA_N

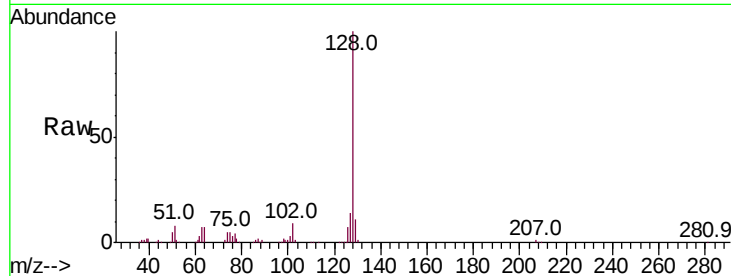
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	266314
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.7	16.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/2/2019 9:33:58 AM

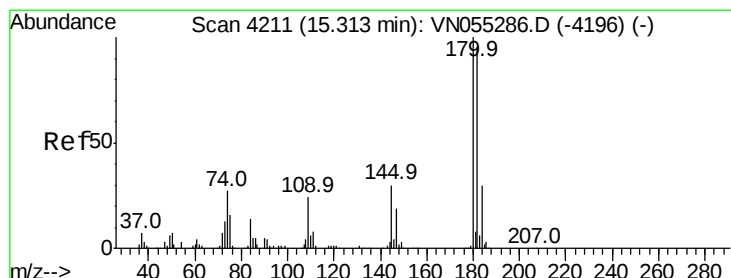
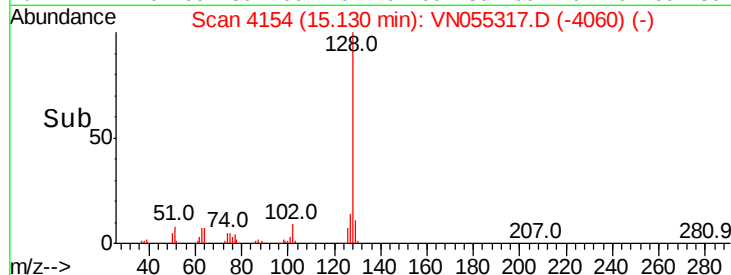
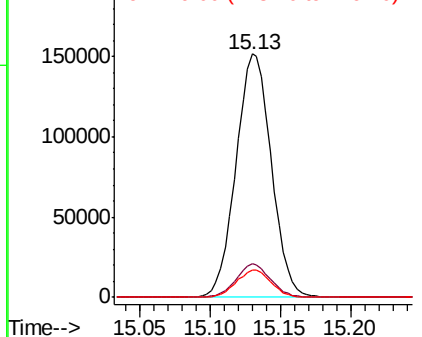


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.565 ug/l

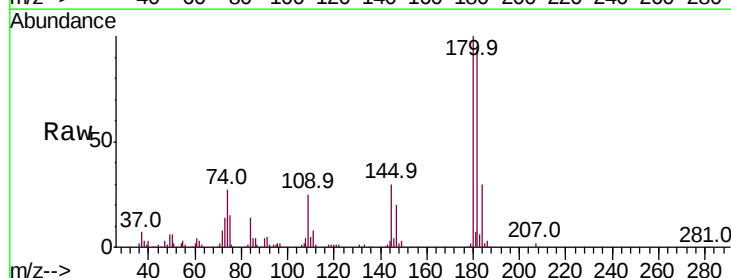
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055317.D

Acq: 1 May 2019 9:47

Tgt Ion:	180	Resp:	142542
Ion Ratio	Lower	Upper	
180	100		
182	94.3	48.3	144.9
145	30.5	15.2	45.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

