

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050119\
 Data File : VN055320.D
 Acq On : 1 May 2019 11:20
 Operator : JC/SP
 Sample : VN0501WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 9:34:06 AM

Quant Time: May 02 08:20:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	371817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	611609	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	531395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203882	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	252801	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
35) Dibromofluoromethane	7.59	113	201787	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.09	98	739421	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.40	95	239269	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	91491	20.083	ug/l	99
3) Chloromethane	2.06	50	109173	19.354	ug/l	96
4) Vinyl Chloride	2.19	62	85861	18.883	ug/l	99
5) Bromomethane	2.56	94	47889	19.883	ug/l	93
6) Chloroethane	2.70	64	45863	18.619	ug/l	97
7) Trichlorofluoromethane	3.02	101	125680	19.438	ug/l	94
8) Diethyl Ether	3.41	74	45232	19.995	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	76219	19.796	ug/l	99
10) Methyl Iodide	3.95	142	106282	19.614	ug/l	99
11) Tert butyl alcohol	4.79	59	31329	112.496	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	71438	19.450	ug/l	98
13) Acrolein	3.62	56	20769	95.494	ug/l	98
14) Allyl chloride	4.33	41	147819	19.432	ug/l	99
15) Acrylonitrile	4.99	53	166604	106.432	ug/l	98
16) Acetone	3.82	43	152971	100.929	ug/l	99
17) Carbon Disulfide	4.06	76	176544	18.418	ug/l	99
18) Methyl Acetate	4.33	43	85166	22.497	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	214657	20.789	ug/l	98
20) Methylene Chloride	4.55	84	89184	19.278	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	75653	19.449	ug/l	98
22) Diisopropyl ether	5.95	45	306783	20.297	ug/l	93
23) Vinyl Acetate	5.90	43	1045832	105.576	ug/l	100
24) 1,1-Dichloroethane	5.85	63	163996	20.364	ug/l	99
25) 2-Butanone	6.84	43	206732	106.657	ug/l	99
26) 2,2-Dichloropropane	6.82	77	111533	20.056	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	90176	20.385	ug/l	100
28) Bromochloromethane	7.20	49	86659	21.348	ug/l	97
29) Tetrahydrofuran	7.21	42	135959	109.544	ug/l	99
30) Chloroform	7.37	83	154322	20.215	ug/l	99
31) Cyclohexane	7.65	56	149285	19.511	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	122977	19.849	ug/l	99
36) 1,1-Dichloropropene	7.79	75	108154	18.462	ug/l	98
37) Ethyl Acetate	6.93	43	85936	19.140	ug/l	97
38) Carbon Tetrachloride	7.77	117	100169	17.725	ug/l	98

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MMDadoda
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Quant Time: May 02 08:20:05 2019
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 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)
39) Methylcyclohexane	9.08	83	115754	18.584	ug/l	96
40) Benzene	8.04	78	335361	19.419	ug/l	98
41) Methacrylonitrile	7.18	41	47815	20.126	ug/l	94
42) 1,2-Dichloroethane	8.13	62	122788	20.074	ug/l	99
43) Isopropyl Acetate	8.16	43	151515	20.999	ug/l	99
44) Trichloroethene	8.84	130	82849	18.818	ug/l	99
45) 1,2-Dichloropropane	9.12	63	98989	19.874	ug/l	99
46) Dibromomethane	9.21	93	54153	19.890	ug/l	98
47) Bromodichloromethane	9.40	83	114953	19.681	ug/l	99
48) Methyl methacrylate	9.20	41	68388	19.280	ug/l	96
49) 1,4-Dioxane	9.20	88	17016	464.055	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	425418	104.720	ug/l	98
52) Toluene	10.16	92	198971	20.080	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	102550	20.225	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	125396	19.836	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	75797	20.599	ug/l	97
56) Ethyl methacrylate	10.43	69	93686	20.686	ug/l	100
57) 1,3-Dichloropropane	10.71	76	128400	19.892	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	123666	96.022	ug/l	100
59) 2-Hexanone	10.75	43	274330	107.927	ug/l	98
60) Dibromochloromethane	10.90	129	77952	20.728	ug/l	100
61) 1,2-Dibromoethane	11.00	107	70111	20.615	ug/l	100
64) Tetrachloroethene	10.63	164	79402	18.272	ug/l	99
65) Chlorobenzene	11.43	112	199549	19.207	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	76956	18.917	ug/l	100
67) Ethyl Benzene	11.51	91	365707	19.493	ug/l	99
68) m/p-Xylenes	11.62	106	266880	39.852	ug/l	99
69) o-Xylene	11.95	106	128949	19.427	ug/l	98
70) Styrene	11.96	104	214461	21.043	ug/l	99
71) Bromoform	12.13	173	47042	20.839	ug/l #	99
73) Isopropylbenzene	12.25	105	355563	20.022	ug/l	99
74) N-amyl acetate	12.07	43	103100	19.704	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	91756	20.861	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	79218m	19.361	ug/l	
77) Bromobenzene	12.53	156	84129	20.321	ug/l	99
78) n-propylbenzene	12.59	91	384956	18.381	ug/l	100
79) 2-Chlorotoluene	12.67	91	245309	20.637	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	290783	18.192	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	20211	18.786	ug/l	92
82) 4-Chlorotoluene	12.77	91	224570	18.442	ug/l	100
83) tert-Butylbenzene	12.99	119	247150	20.105	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	275011	19.238	ug/l	100
85) sec-Butylbenzene	13.17	105	319128	18.369	ug/l	100
86) p-Isopropyltoluene	13.29	119	271085	18.985	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	132330	19.396	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	126247	19.650	ug/l	98
89) n-Butylbenzene	13.61	91	192204	18.943	ug/l	100
90) Hexachloroethane	13.87	117	45076	18.959	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	129937	19.216	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11961	22.300	ug/l	94

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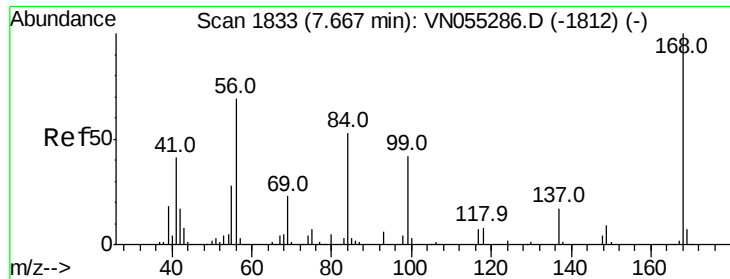
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	38957	16.957	ug/l	100
94) Hexachlorobutadiene	15.01	225	47680	21.858	ug/l	98
95) Naphthalene	15.13	128	80730	16.626	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	41853	17.722	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

Tot Ion:168 Resp: 371817

Ion Ratio Lower Upper

168 100

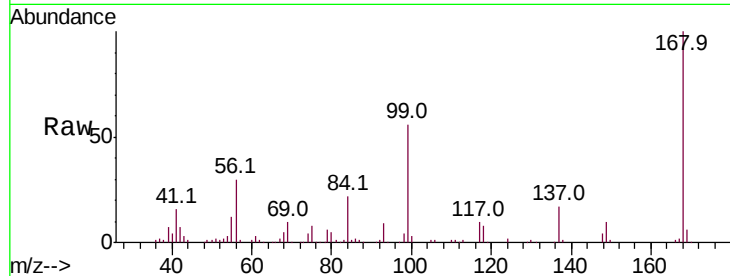
99 55.0 43.6 65.4

Manual Integrations

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5/2/2019 9:34:06 AM



Abundance Ion 167.90 (167.60 to 168.60): VN055286.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055286.D (-1812) (-)

7.67

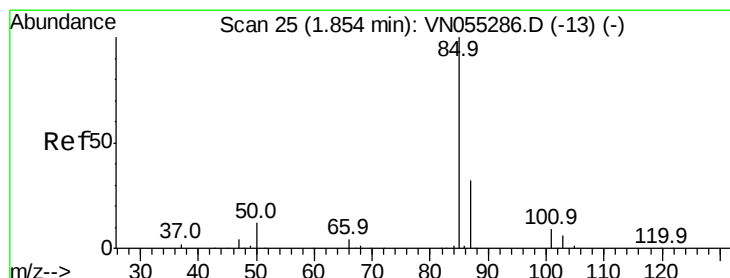
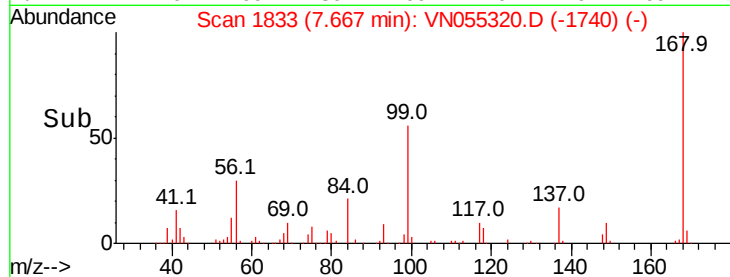
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100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.083 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055320.D

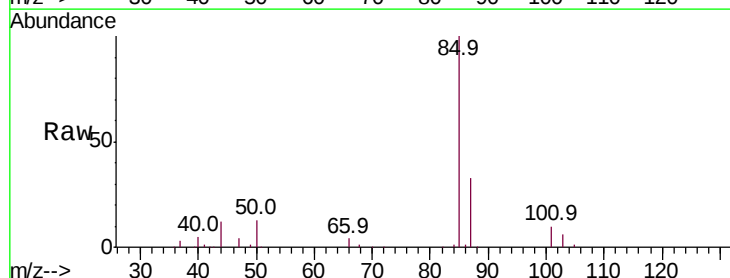
Acq: 1 May 2019 11:20

Tgt Ion: 85 Resp: 91491

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055286.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN055286.D (-13) (-)

1.85

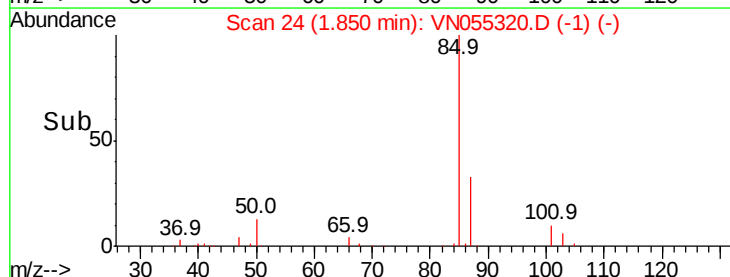
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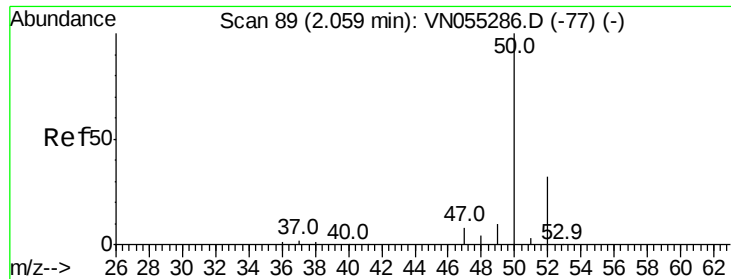
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Time-->





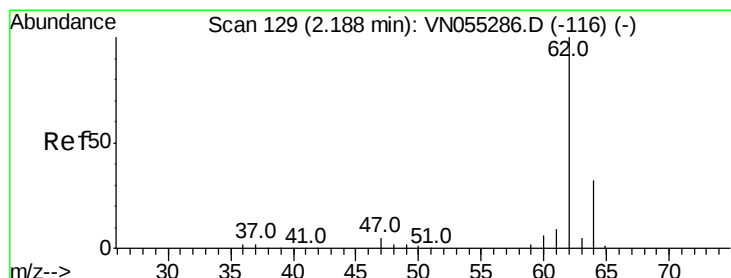
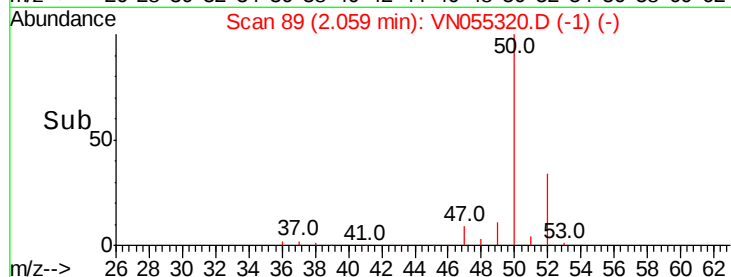
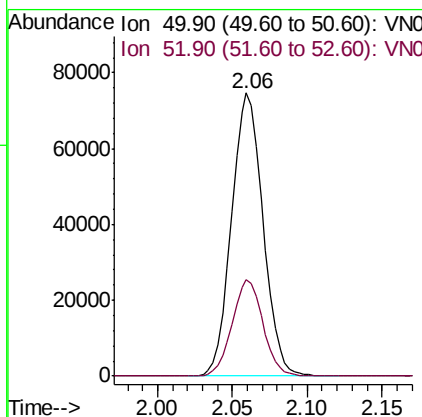
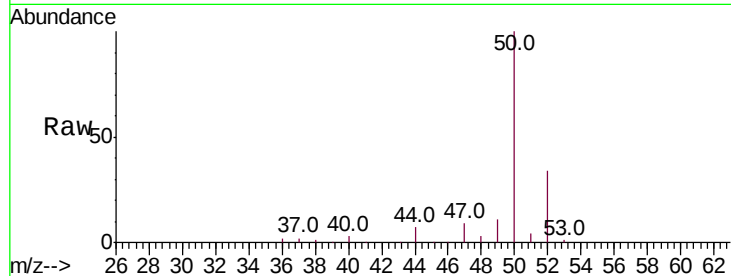
#3
Chloromethane
Concen: 19.354 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion: 50 Resp: 109173
Ion Ratio Lower Upper
50 100
52 34.1 25.7 38.5

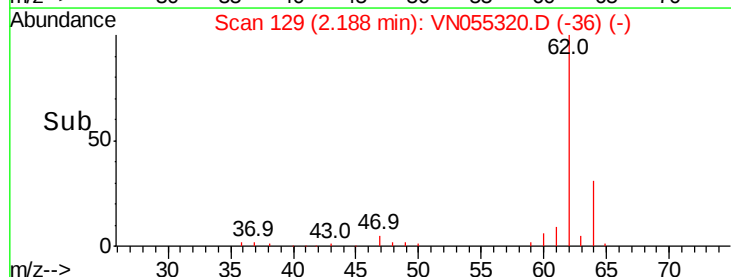
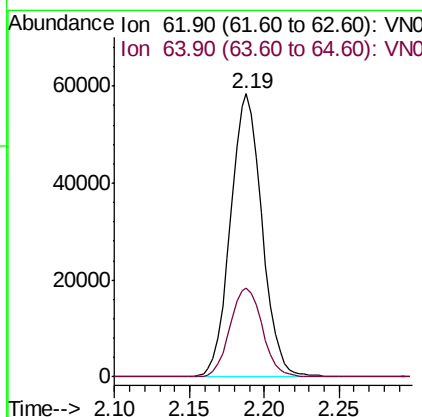
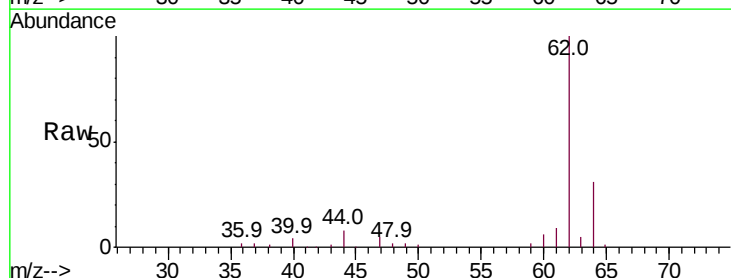
Manual Integrations
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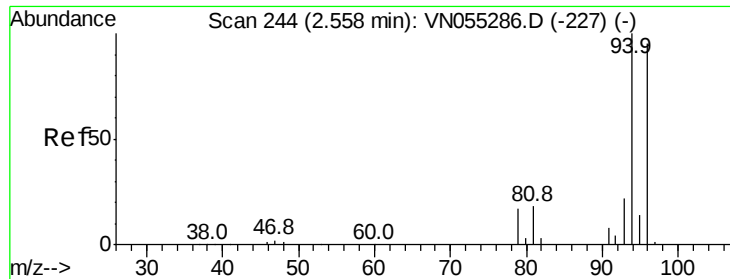
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5/2/2019 9:34:06 AM



#4
Vinyl Chloride
Concen: 18.883 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion: 62 Resp: 85861
Ion Ratio Lower Upper
62 100
64 31.2 25.5 38.3





#5

Bromomethane

Concen: 19.883 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

Tot Ion: 94 Resp: 47889

Ion Ratio Lower Upper

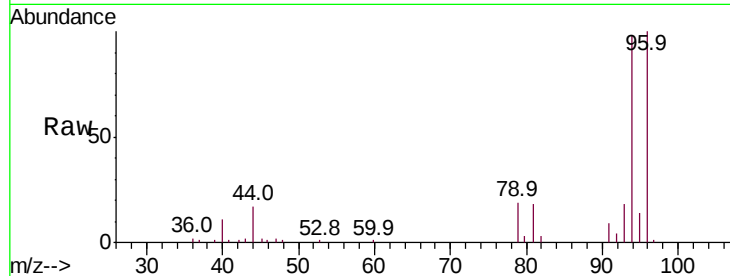
94 100

96 101.6 76.0 114.0

Manual Integrations
APPROVED

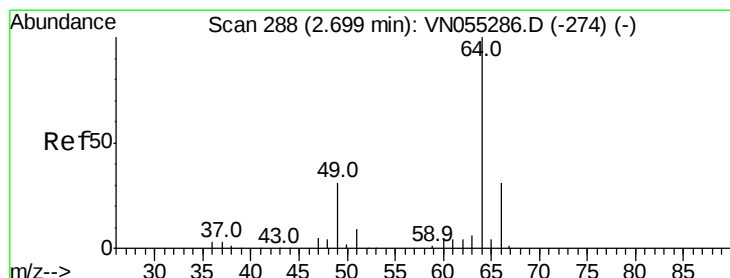
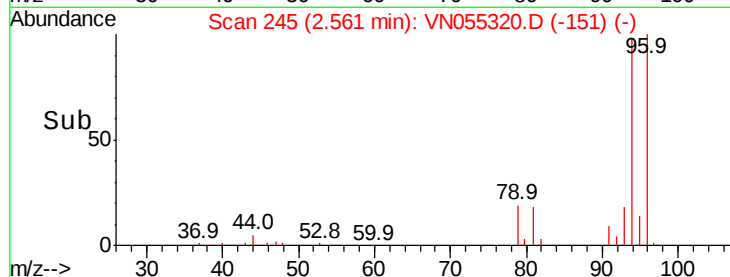
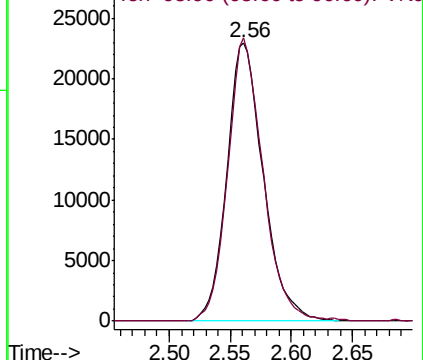
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.619 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055320.D

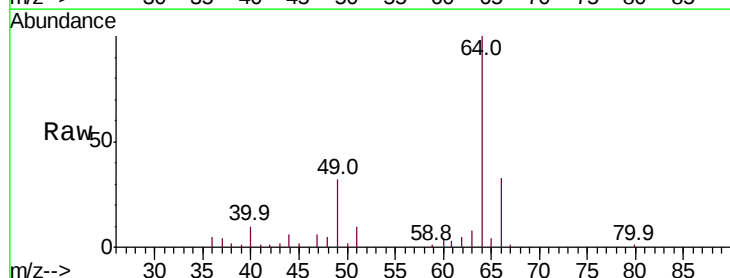
Acq: 1 May 2019 11:20

Tgt Ion: 64 Resp: 45863

Ion Ratio Lower Upper

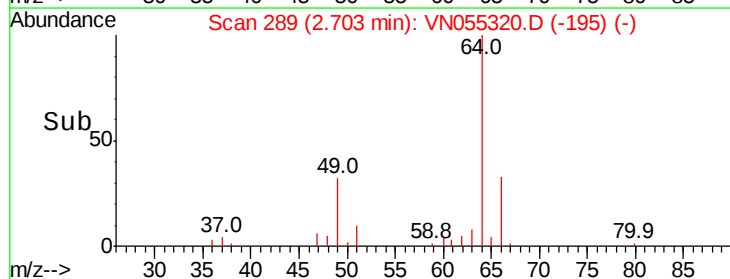
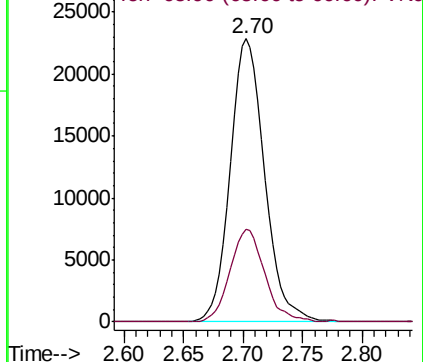
64 100

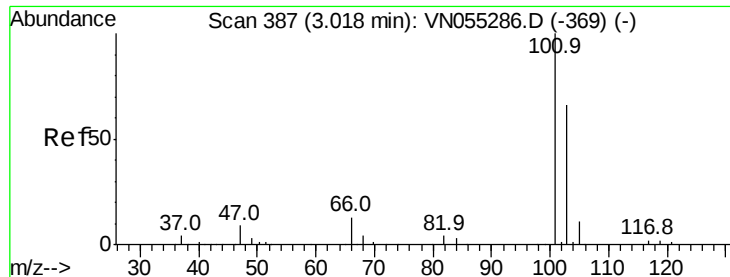
66 32.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

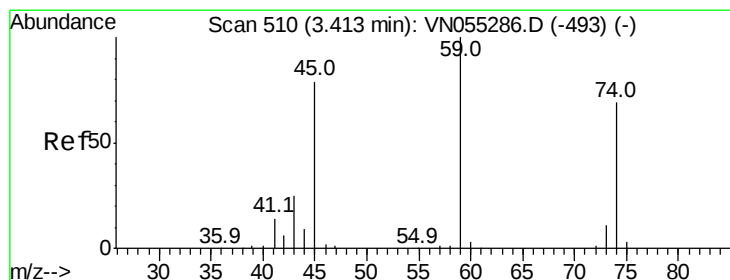
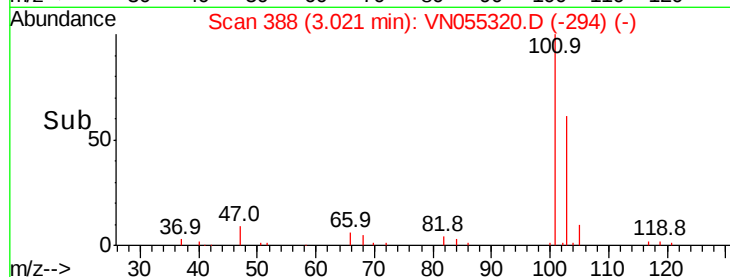
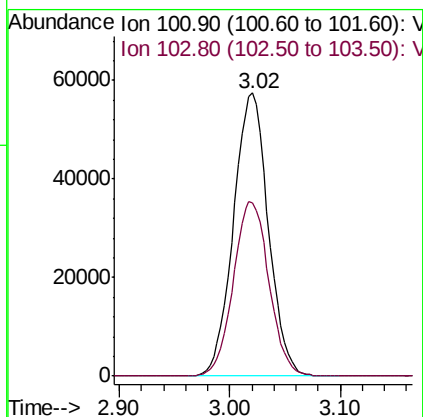
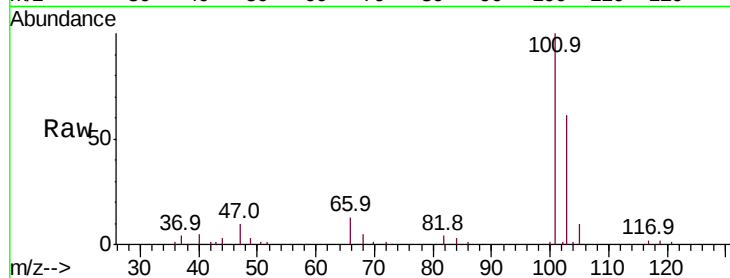
Trichlorofluoromethane
Concen: 19.438 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
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ClientSampleId :
VN0501WBS01

Tot Ion:101 Resp: 125680
Ion Ratio Lower Upper
101 100
103 61.0 52.6 79.0

Manual Integrations
APPROVED

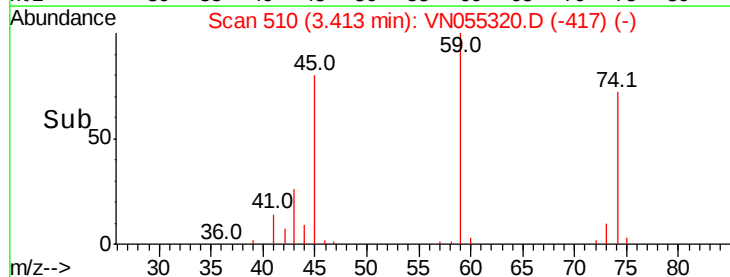
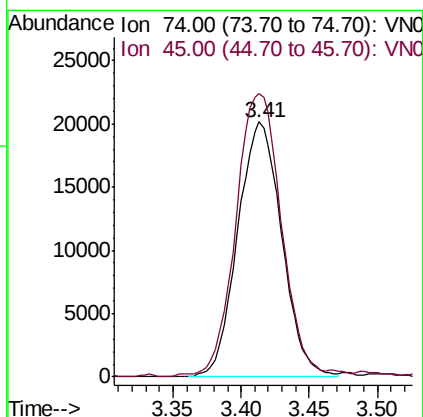
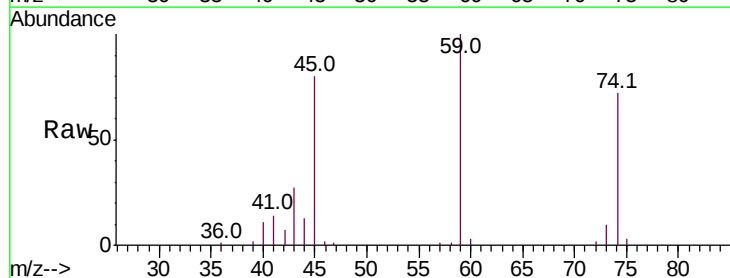
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5/2/2019 9:34:06 AM

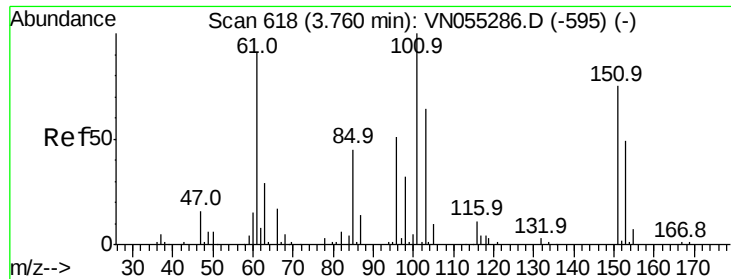


#8

Diethyl Ether
Concen: 19.995 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion: 74 Resp: 45232
Ion Ratio Lower Upper
74 100
45 114.9 58.9 176.6





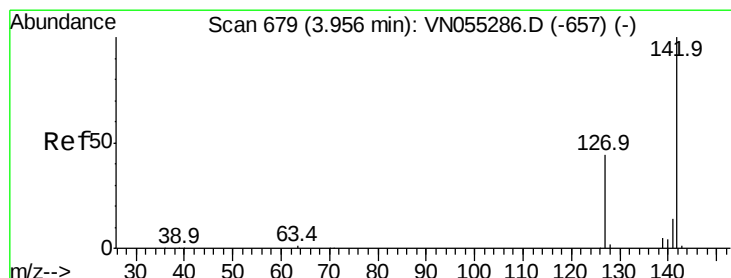
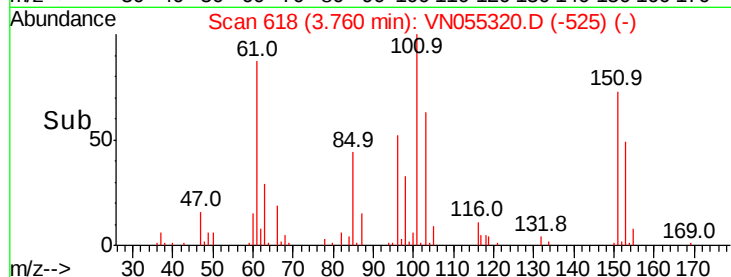
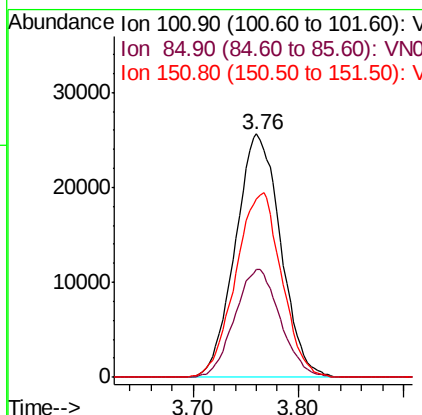
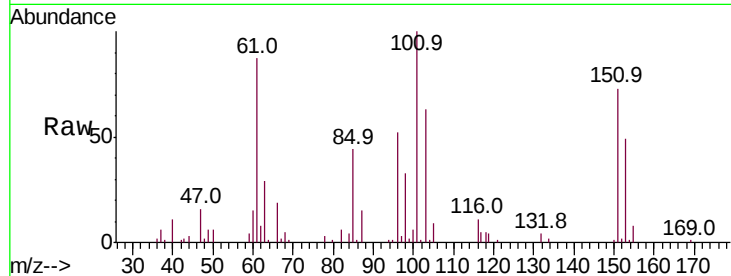
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.796 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.7	53.5
151	77.3	63.3	94.9

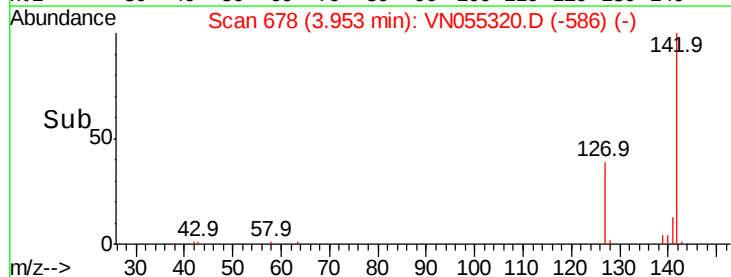
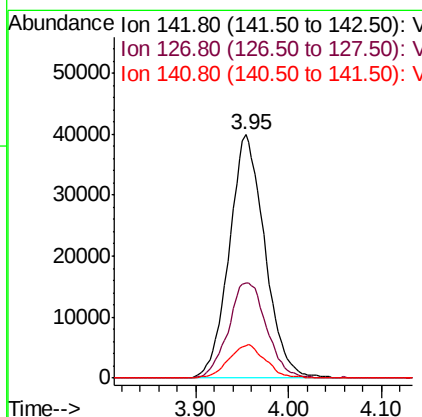
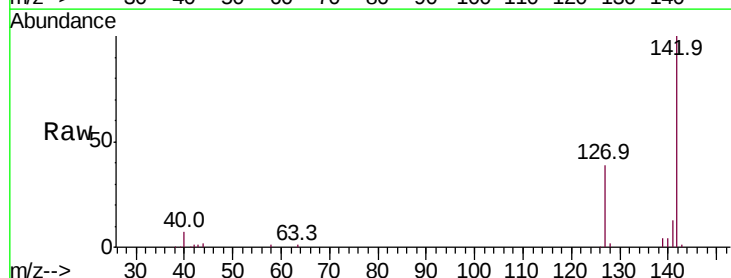
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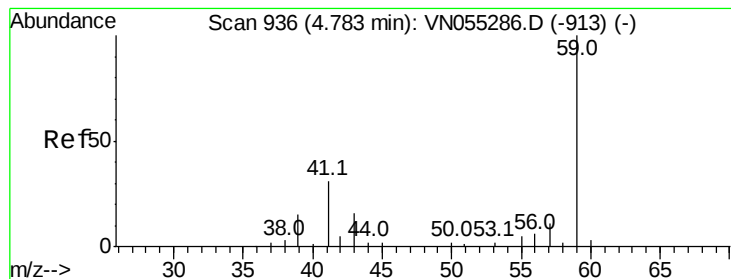
MMDadoda
 5/2/2019 9:34:06 AM



#10
 Methyl Iodide
 Concen: 19.614 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.9	34.4	51.6
141	14.1	11.5	17.3





#11

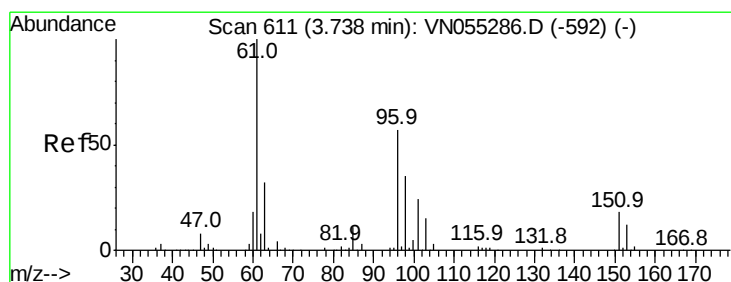
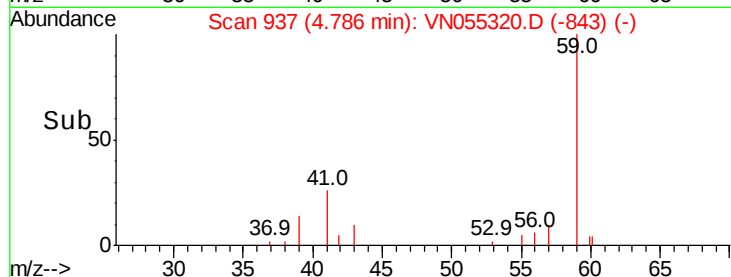
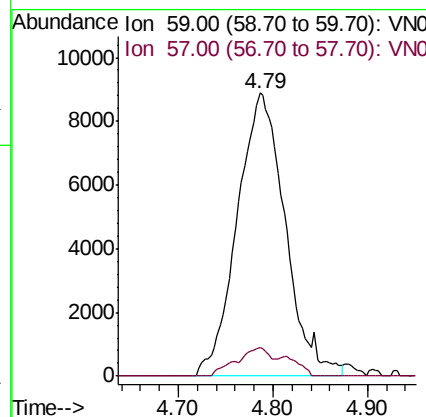
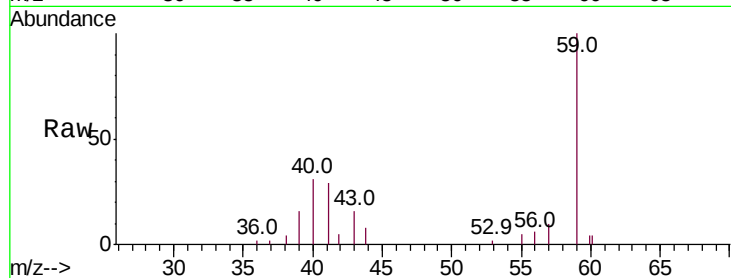
Tert butyl alcohol
 Concen: 112.496 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Instrument :
 MSVOA_N
 ClientSampled :
 VN0501WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

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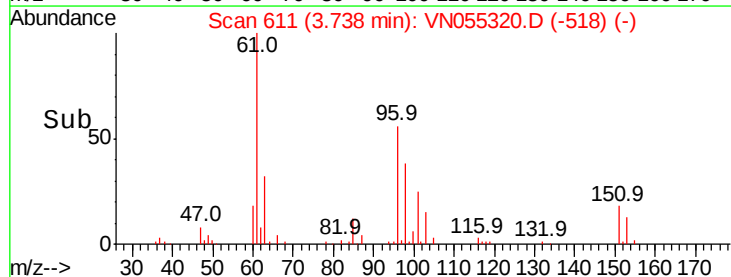
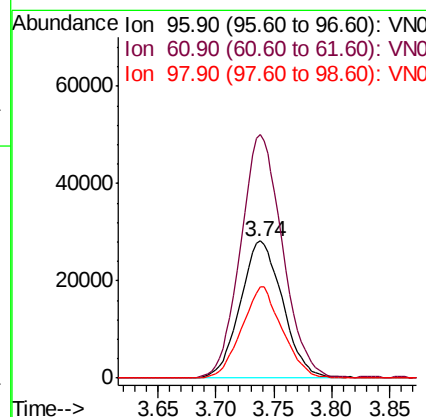
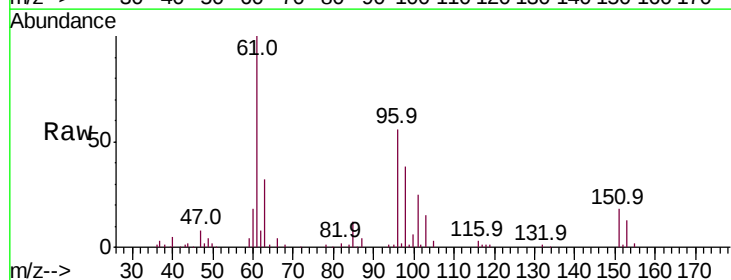
MMDadoda
 5/2/2019 9:34:06 AM

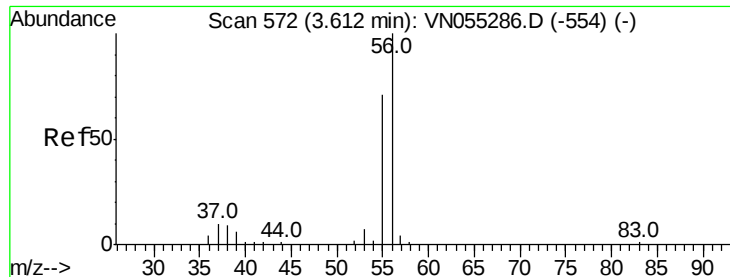


#12

1,1-Dichloroethene
 Concen: 19.450 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.8	140.9	211.3
98	66.7	50.0	75.0





#13

Acrolein

Concen: 95.494 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

Tot Ion: 56 Resp: 20769

Ion Ratio Lower Upper

56 100

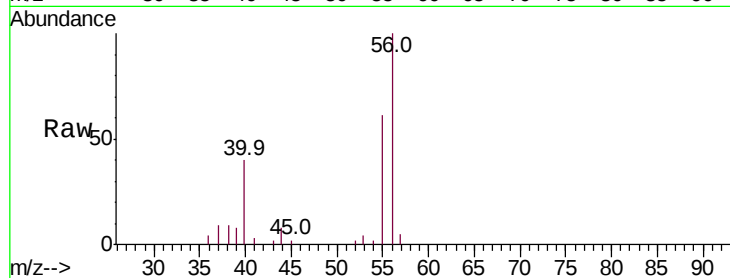
55 70.5 57.4 86.2

Manual Integrations

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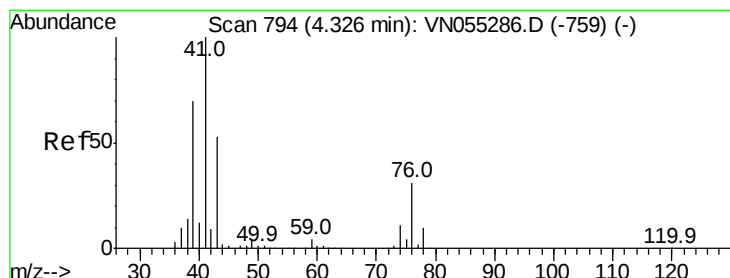
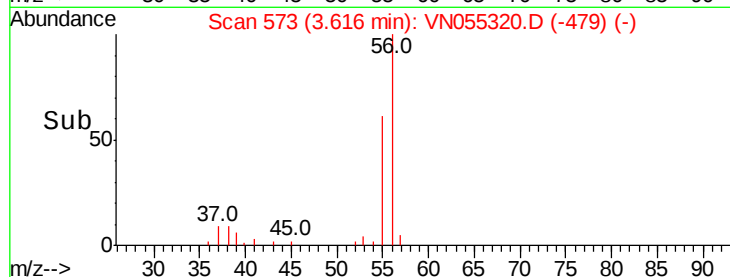
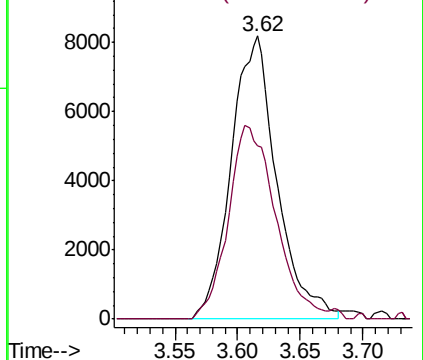
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 19.432 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

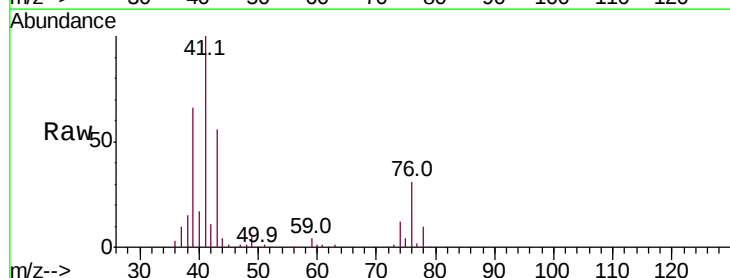
Tgt Ion: 41 Resp: 147819

Ion Ratio Lower Upper

41 100

39 67.3 53.0 79.6

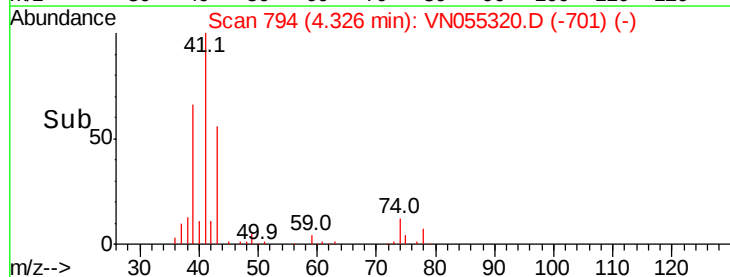
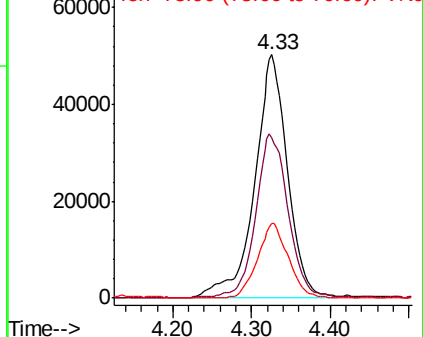
76 28.8 22.7 34.1

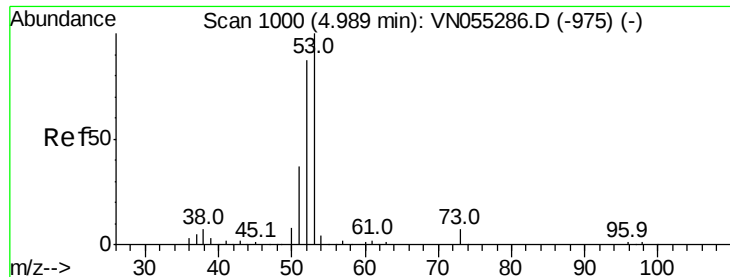


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 106.432 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

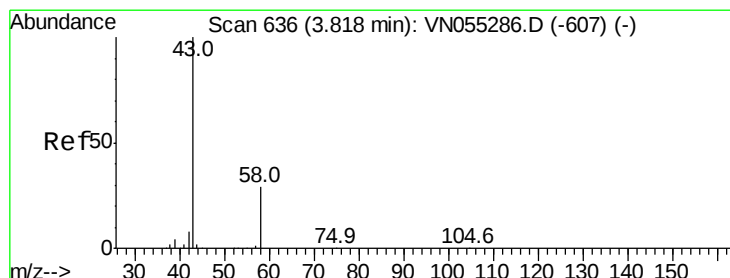
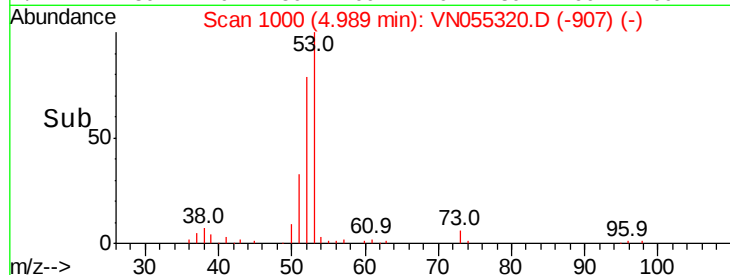
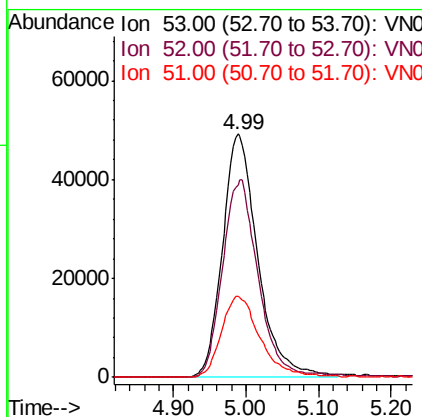
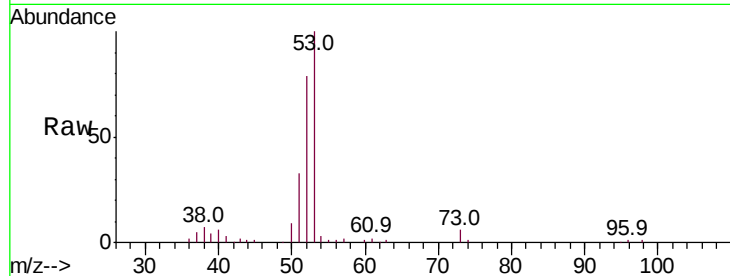
ClientSampled :

VN0501WBS01

Tot Ion:	53	Resp:	166604
Ion Ratio	Lower	Upper	
53	100		
52	81.0	66.5	99.7
51	35.9	29.6	44.4

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#16

Acetone

Concen: 100.929 ug/l

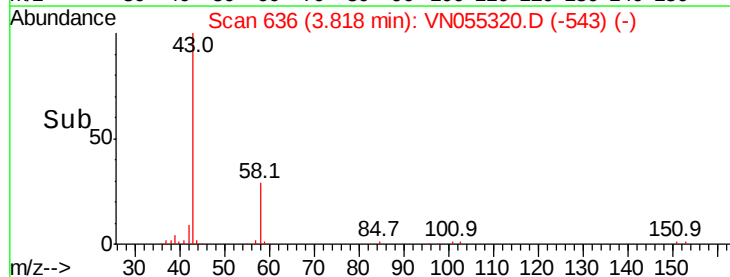
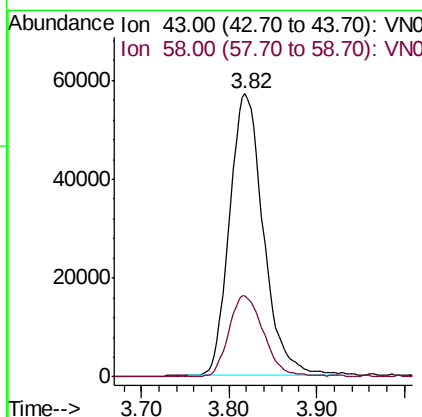
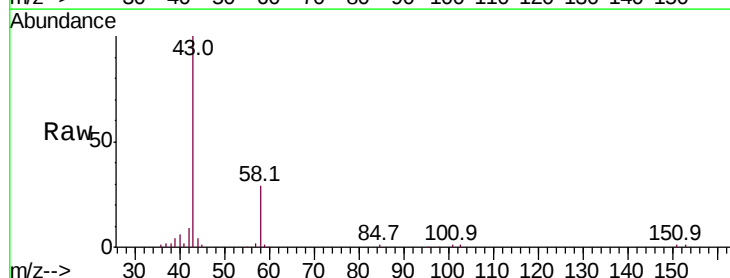
RT: 3.82 min Scan# 636

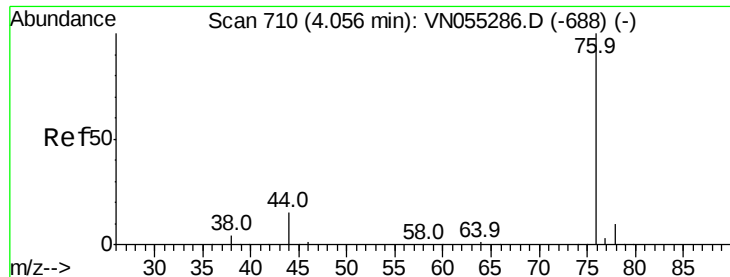
Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Tgt Ion:	43	Resp:	152971
Ion Ratio	Lower	Upper	
43	100		
58	28.9	23.6	35.4





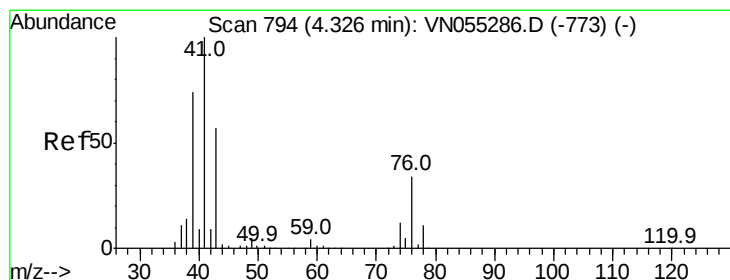
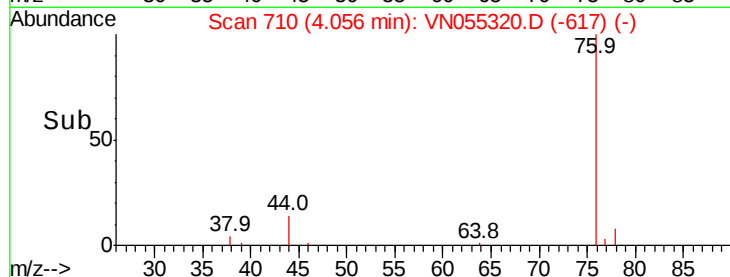
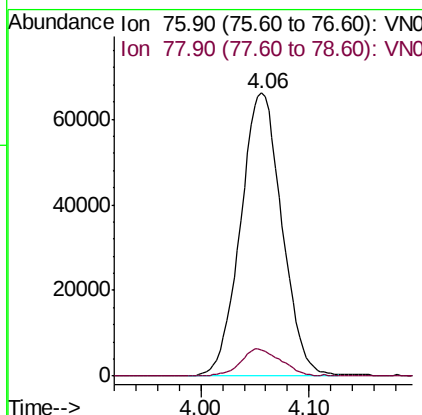
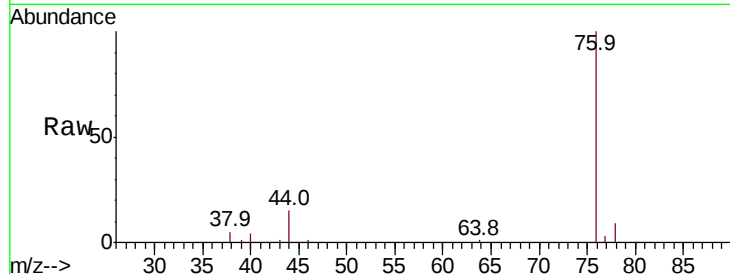
#17
Carbon Disulfide
Concen: 18.418 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion: 76 Resp: 176544
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4

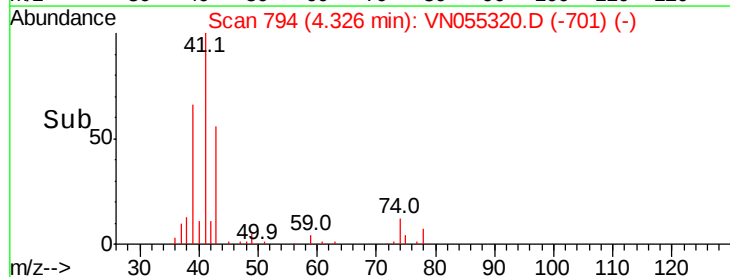
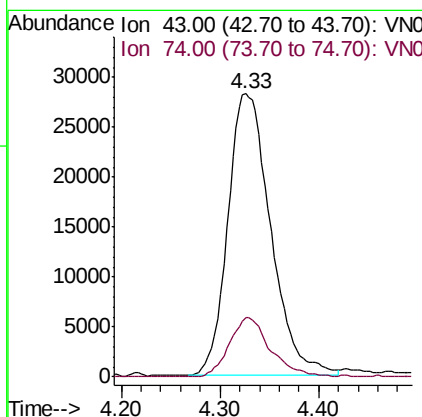
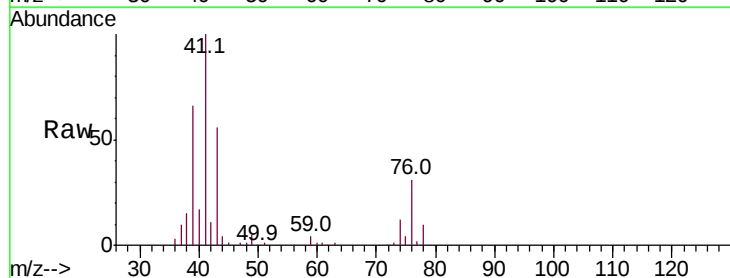
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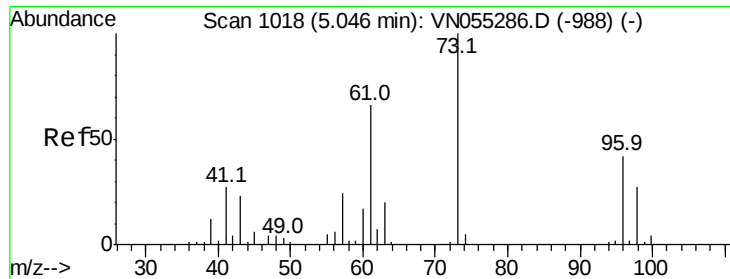
MMDadoda
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#18
Methyl Acetate
Concen: 22.497 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion: 43 Resp: 85166
Ion Ratio Lower Upper
43 100
74 20.2 15.8 23.8





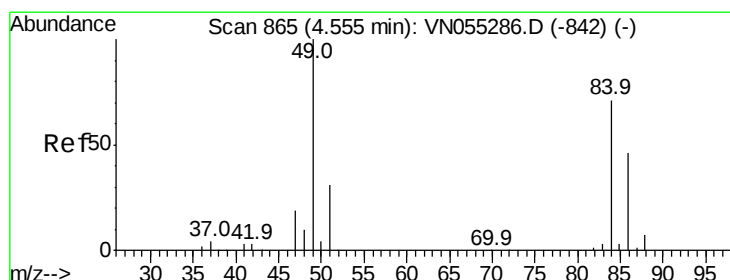
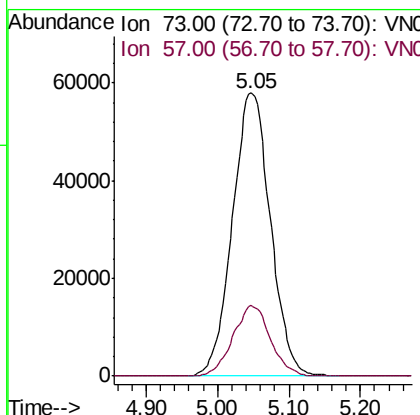
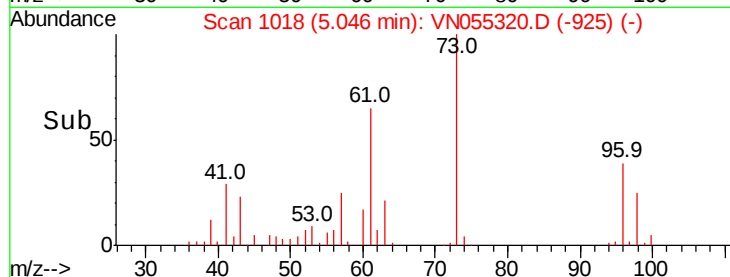
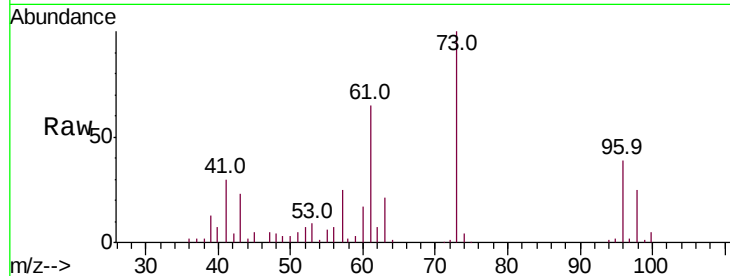
#19
Methvl tert-butvl Ether
Concen: 20.789 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion: 73 Resp: 214657
Ion Ratio Lower Upper
73 100
57 25.0 19.1 28.7

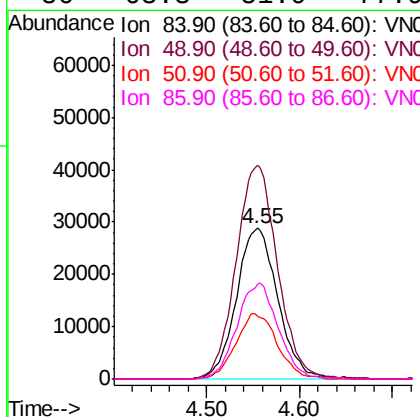
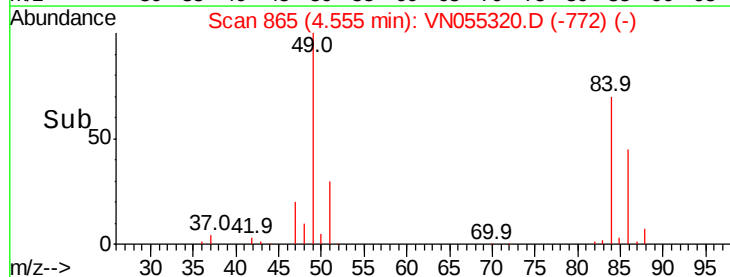
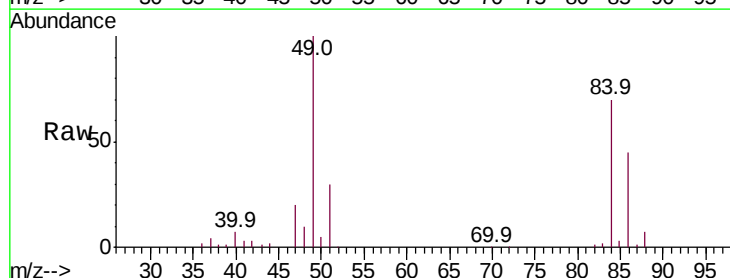
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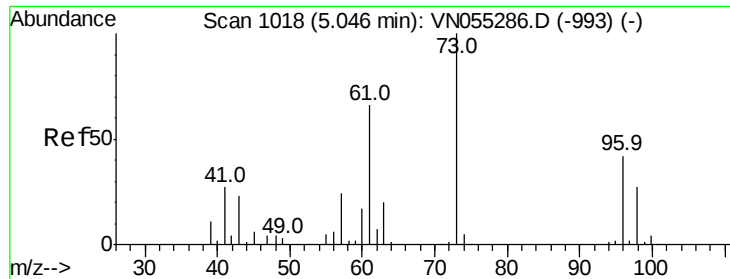
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#20
Methylene Chloride
Concen: 19.278 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion: 84 Resp: 89184
Ion Ratio Lower Upper
84 100
49 142.0 112.4 168.6
51 42.0 34.6 51.8
86 63.3 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.449 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

ClientSampled :

VN0501WBS01

Tot Ion: 96 Resp: 75653

Ion Ratio Lower Upper

96 100

61 160.9 126.2 189.4

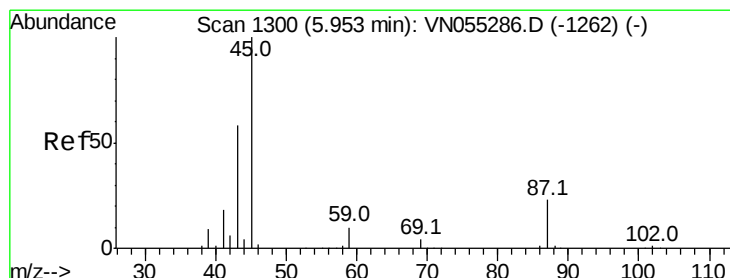
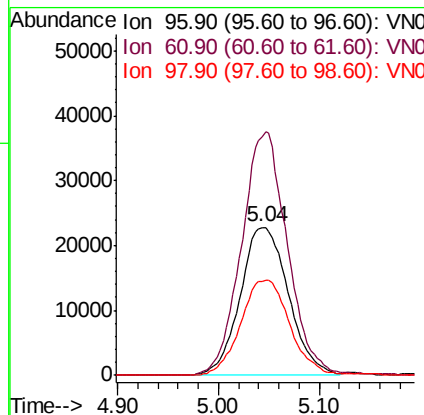
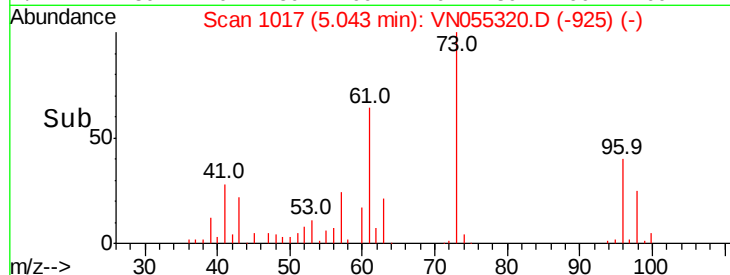
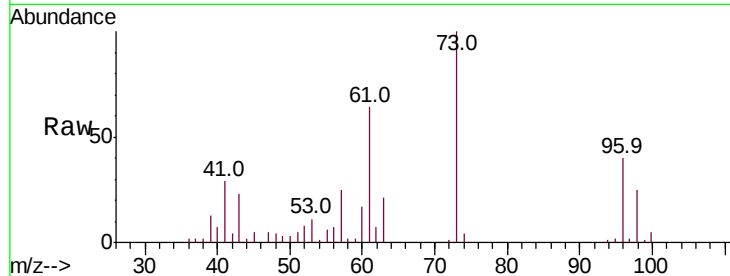
98 63.6 52.2 78.2

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#22

Diisopropyl ether

Concen: 20.297 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Tgt Ion: 45 Resp: 306783

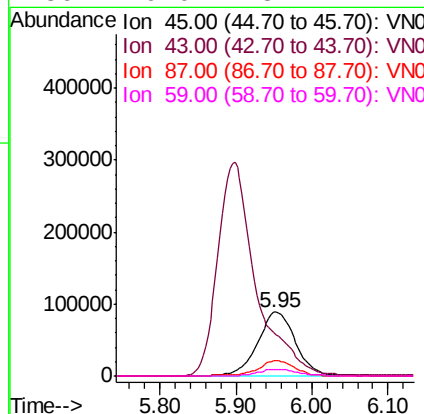
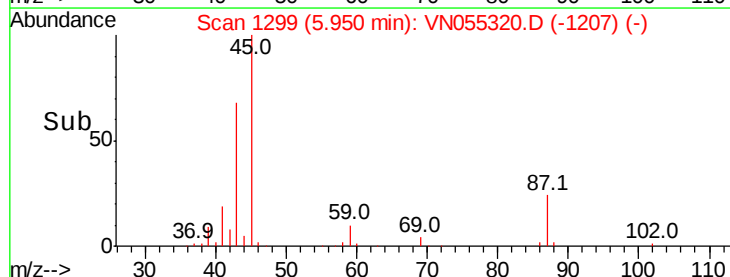
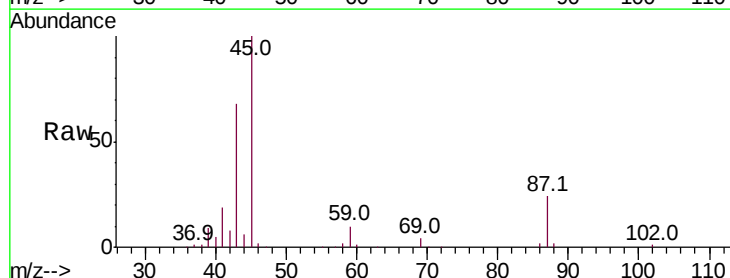
Ion Ratio Lower Upper

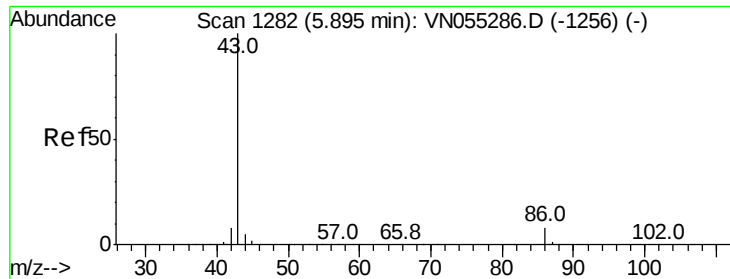
45 100

43 65.6 46.6 70.0

87 23.5 18.1 27.1

59 10.0 8.2 12.2





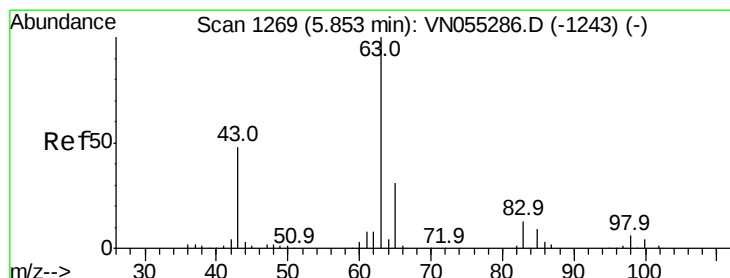
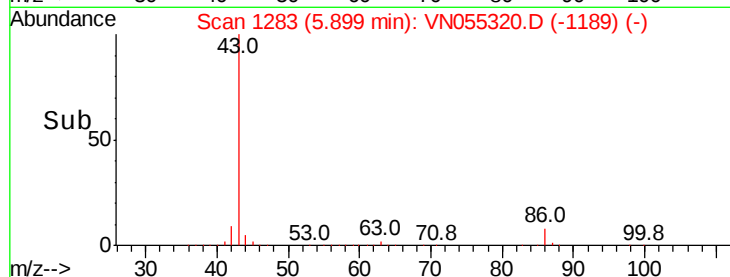
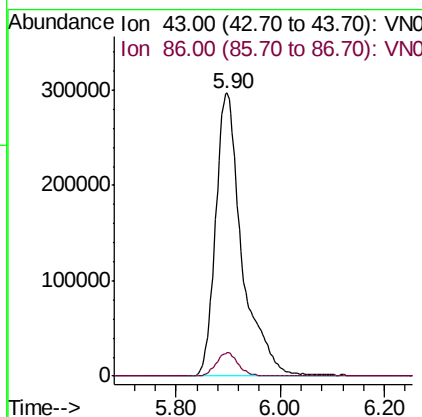
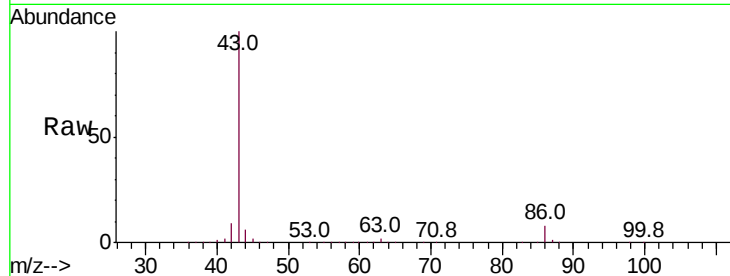
#23
 Vinyl Acetate
 Concen: 105.576 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion: 43 Resp: 1045832
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 10.0

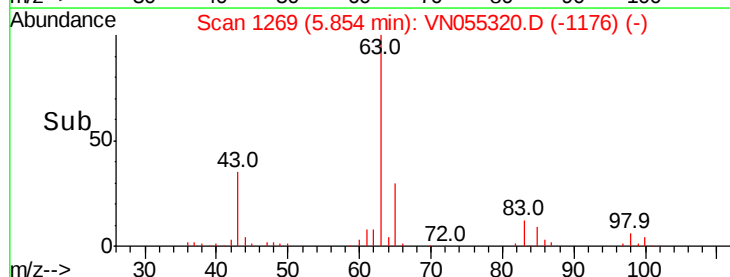
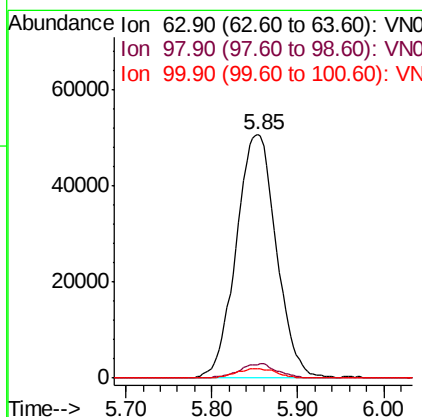
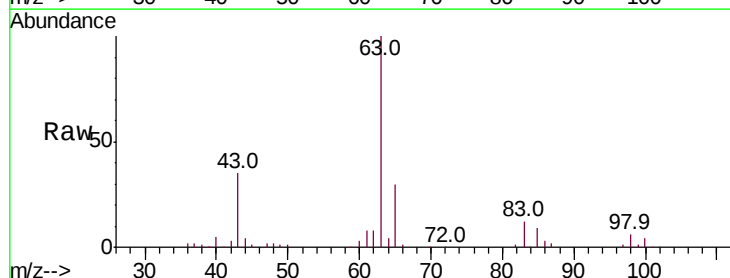
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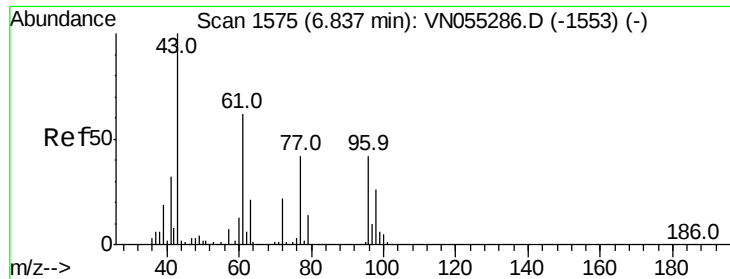
MMDadoda
 5/2/2019 9:34:06 AM



#24
 1,1-Dichloroethane
 Concen: 20.364 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Tgt Ion: 63 Resp: 163996
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.0
 100 3.6 1.8 5.4





#25

2-Butanone

Concen: 106.657 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

Tot Ion: 43 Resp: 206732

Ion Ratio Lower Upper

43 100

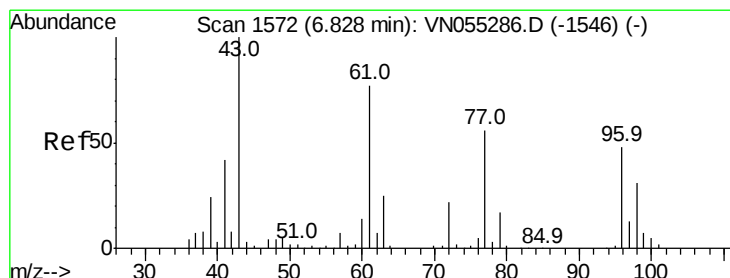
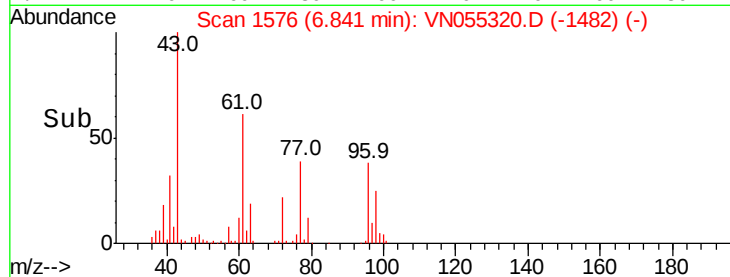
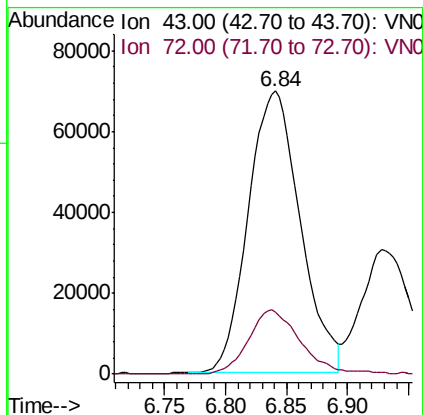
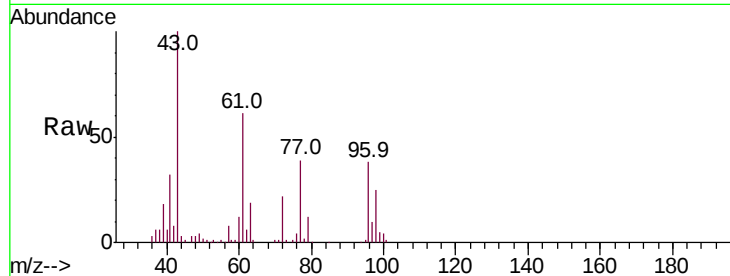
72 22.0 18.0 27.0

Manual Integrations

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MMDadoda

5/2/2019 9:34:06 AM



#26

2,2-Dichloropropane

Concen: 20.056 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055320.D

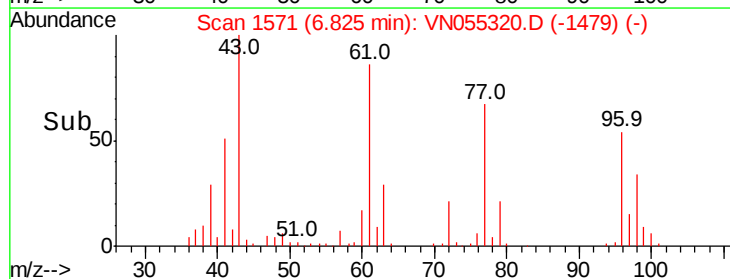
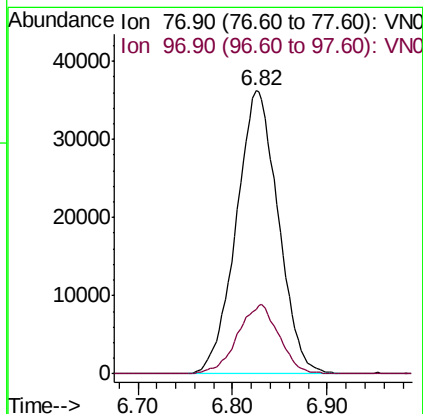
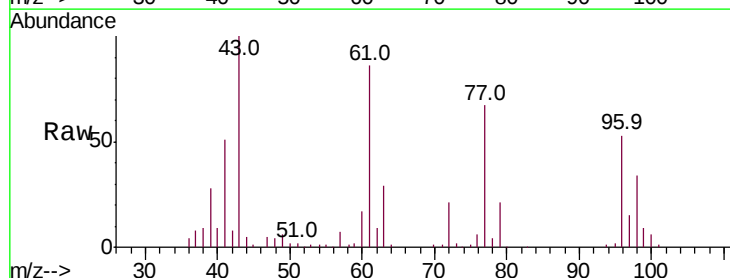
Acq: 1 May 2019 11:20

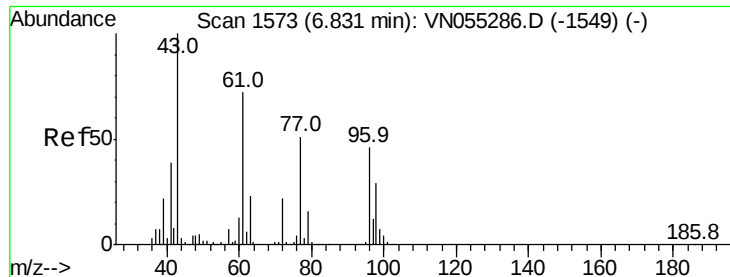
Tgt Ion: 77 Resp: 111533

Ion Ratio Lower Upper

77 100

97 24.2 11.4 34.2





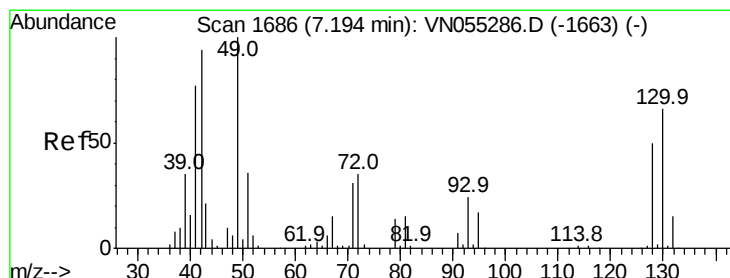
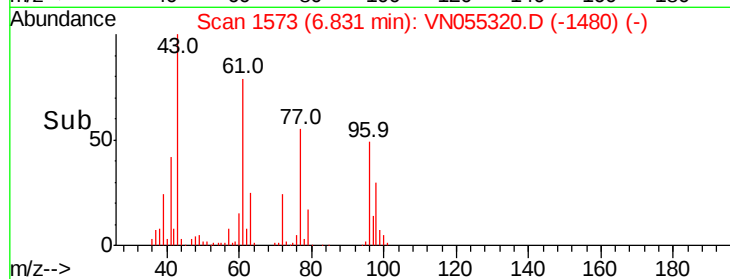
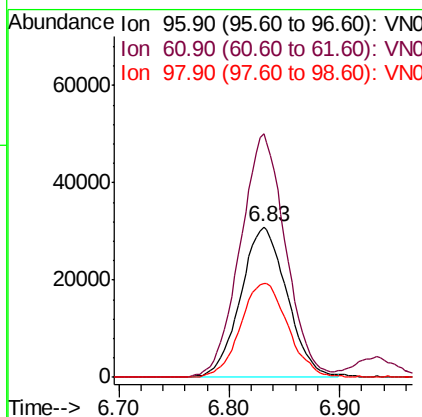
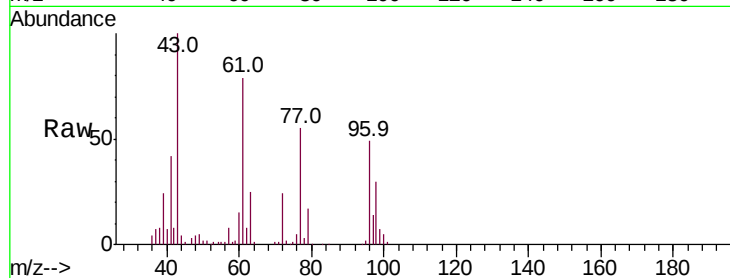
#27
 cis-1,2-Dichloroethene
 Concen: 20.385 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	158.2	0.0	316.2	
98	63.9	0.0	126.6	

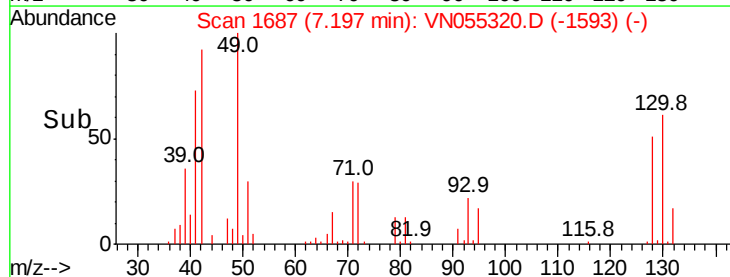
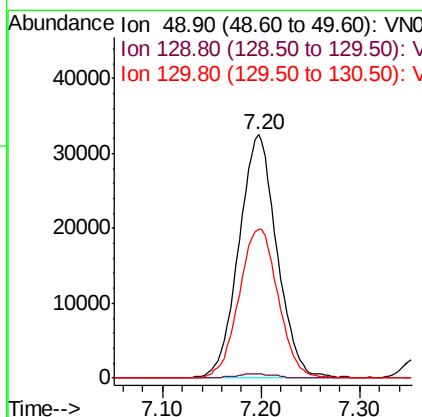
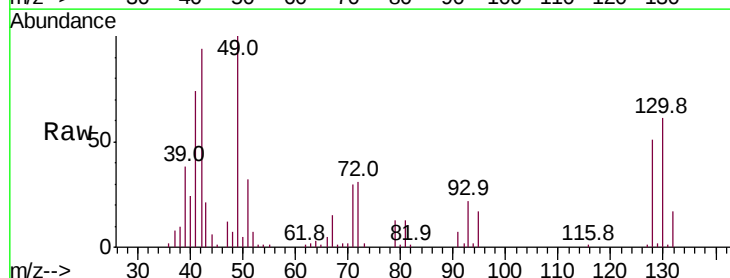
Manual Integrations
 APPROVED

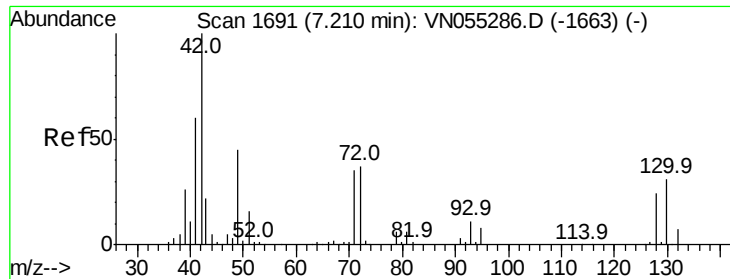
MMDadoda
 5/2/2019 9:34:06 AM



#28
 Bromochloromethane
 Concen: 21.348 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	2.4	
130	63.0	52.0	78.0	





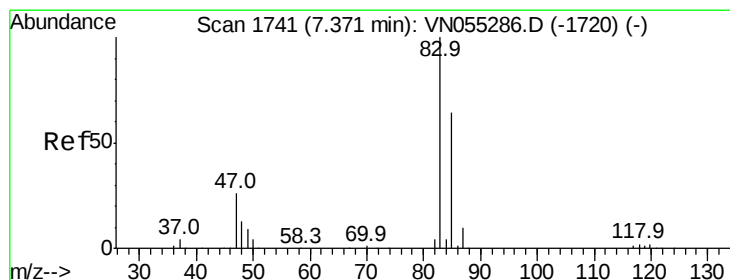
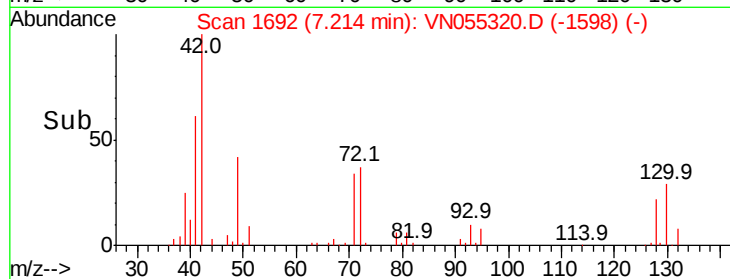
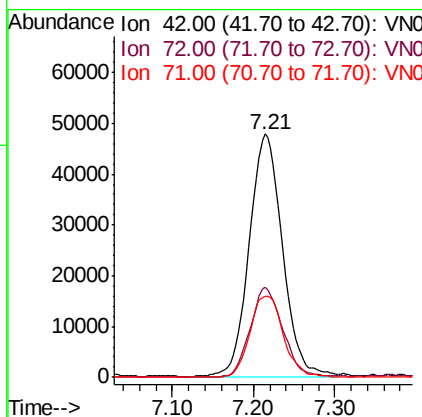
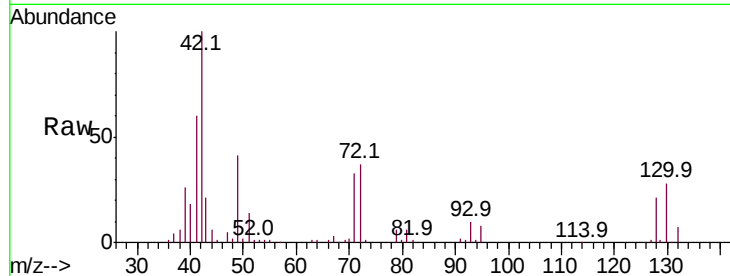
#29
Tetrahydrofuran
Concen: 109.544 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.9	29.0	43.6
71	33.4	27.1	40.7

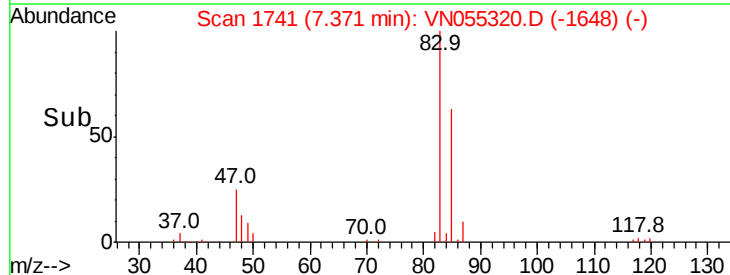
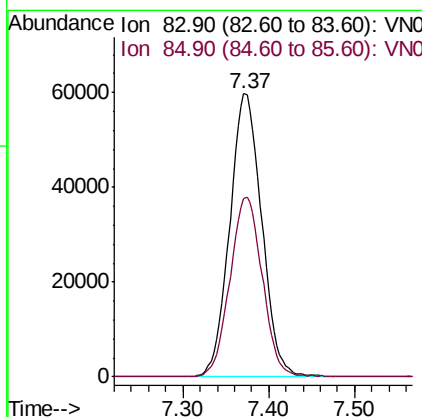
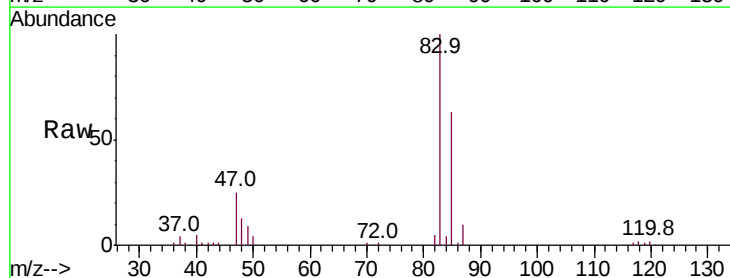
Manual Integrations
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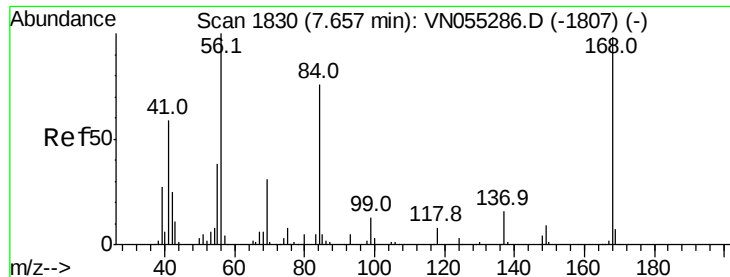
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#30
Chloroform
Concen: 20.215 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.4	77.2





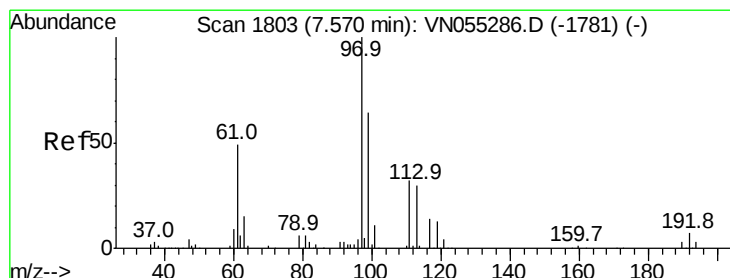
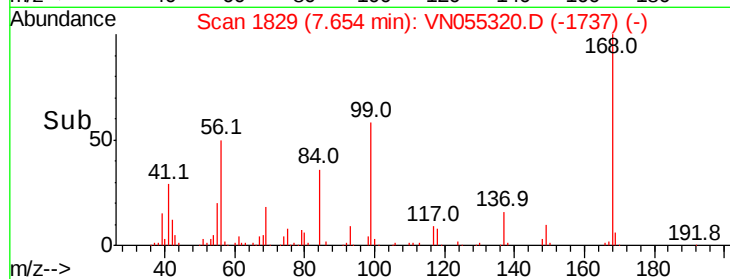
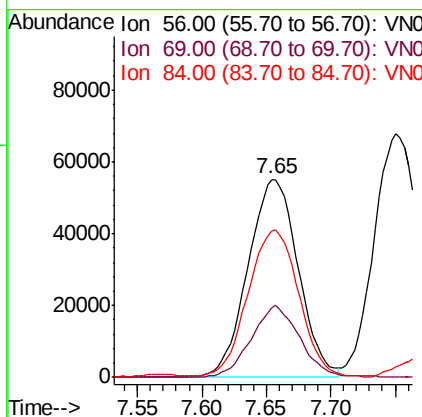
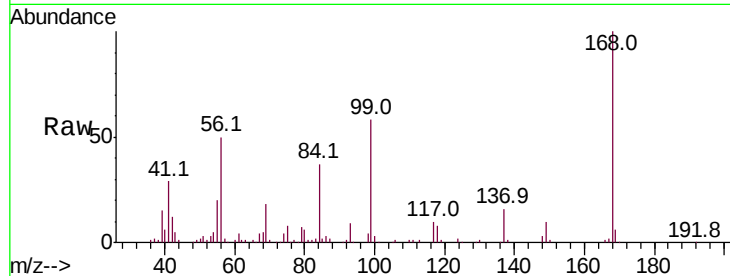
#31
Cyclohexane
Concen: 19.511 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	25.2	37.8
84	73.1	61.1	91.7

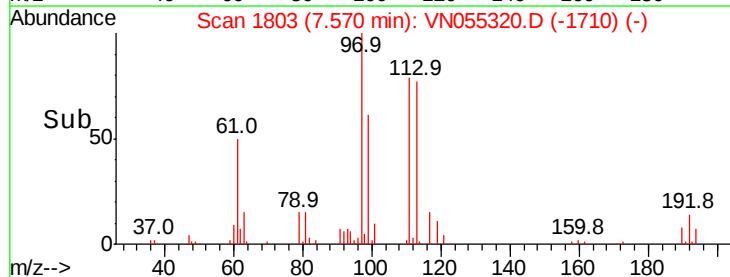
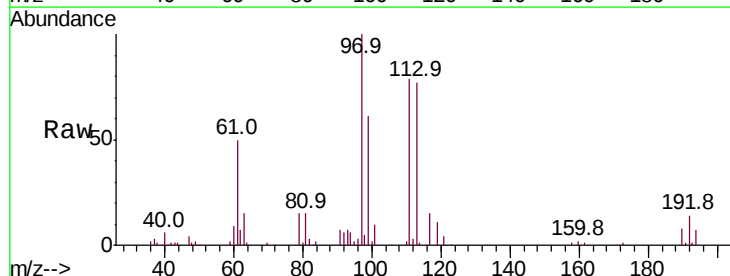
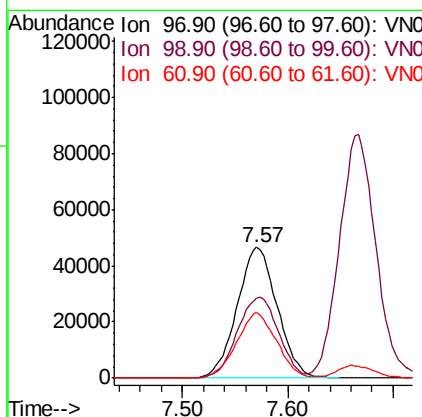
Manual Integrations
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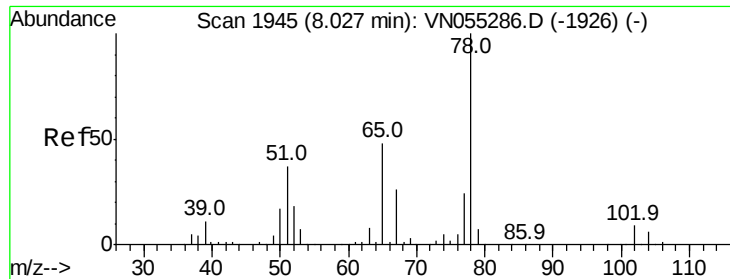
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#32
1,1,1-Trichloroethane
Concen: 19.849 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.8
61	49.8	39.0	58.6





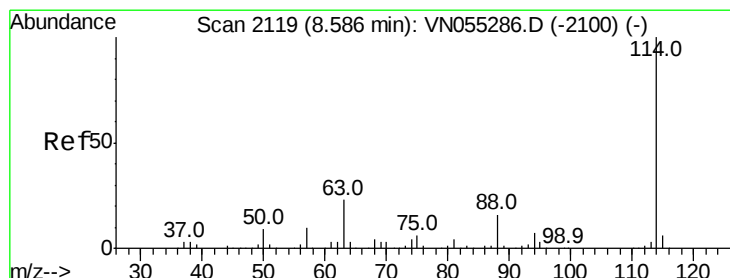
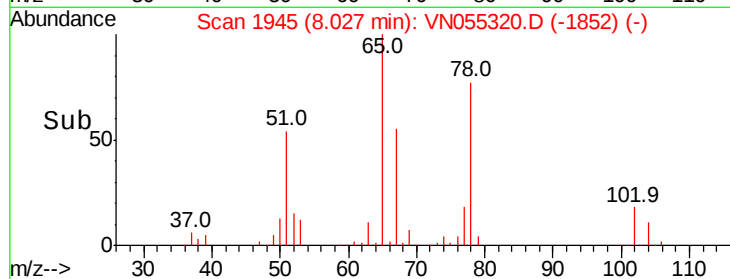
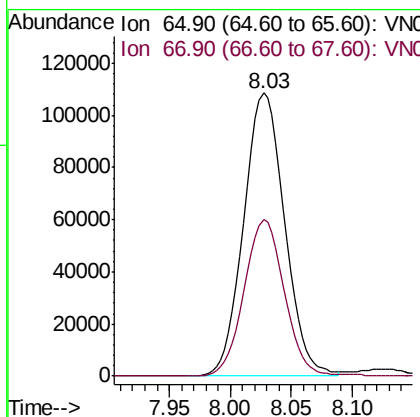
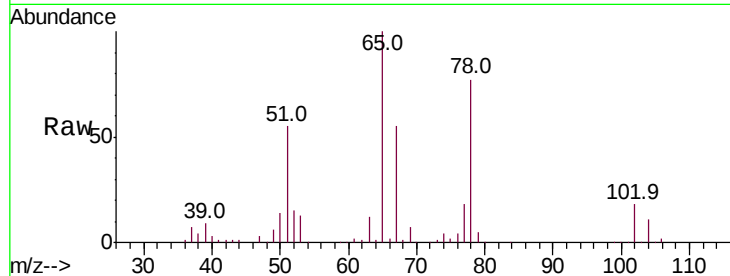
#33
 1,2-Dichloroethane-d4
 Concen: 51.972 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

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

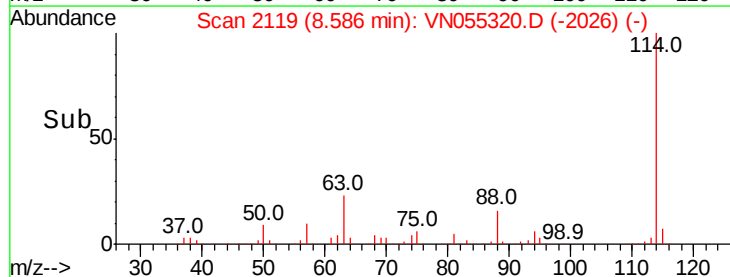
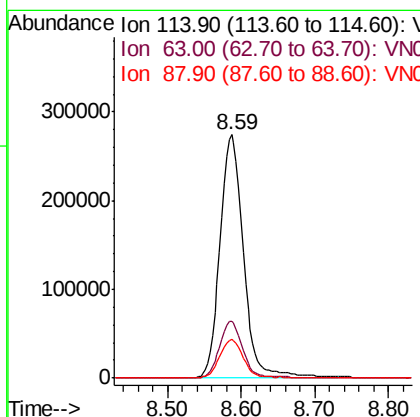
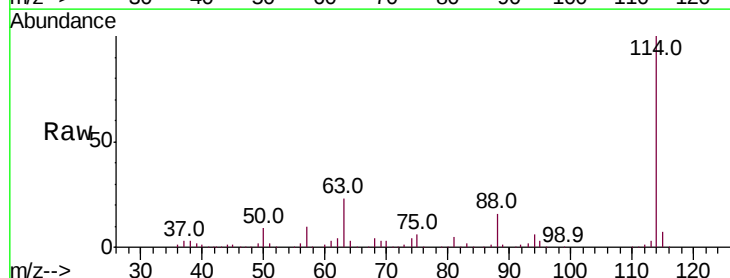
Manual Integrations
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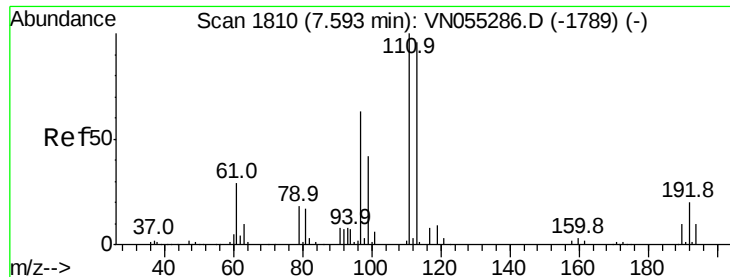
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 5/2/2019 9:34:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.4	0.0	45.2	
88	15.8	0.0	31.6	





#35

Dibromofluoromethane

Concen: 50.266 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

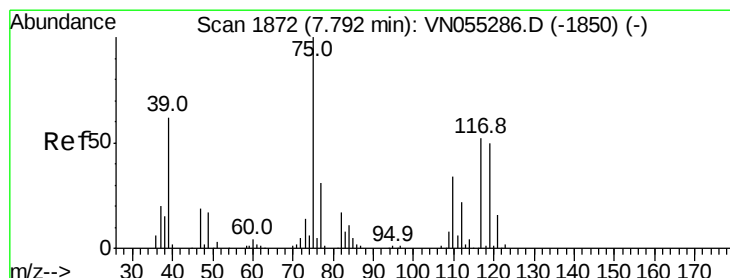
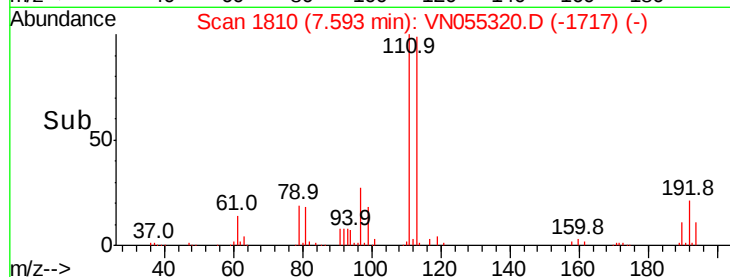
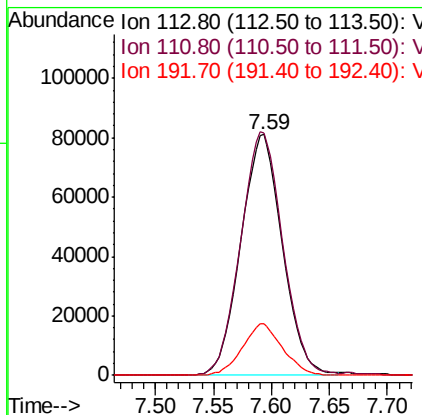
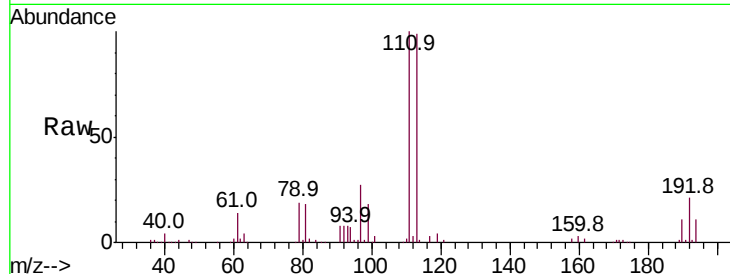
ClientSampleId :

VN0501WBS01

Tot Ion:	113	Resp:	201787
Ion Ratio	Lower	Upper	
113	100		
111	102.7	82.3	123.5
192	20.7	17.0	25.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.462 ug/l

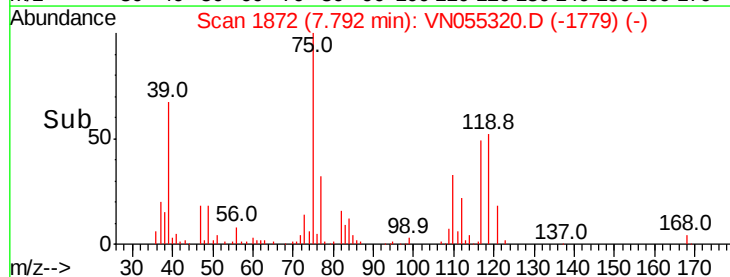
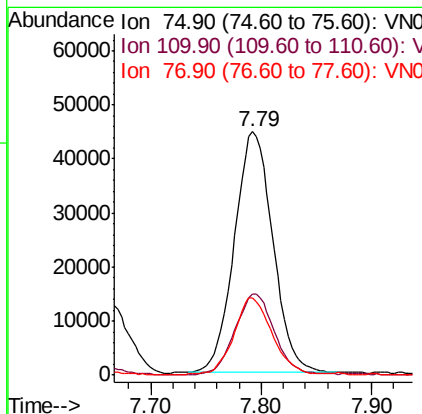
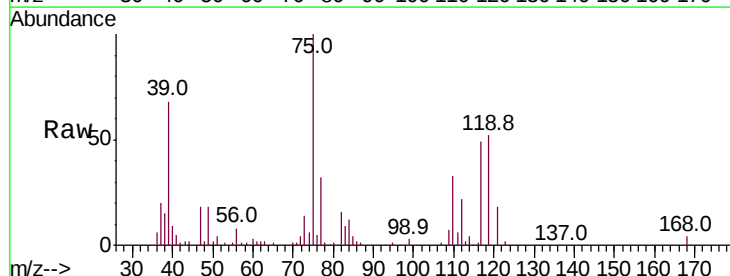
RT: 7.79 min Scan# 1872

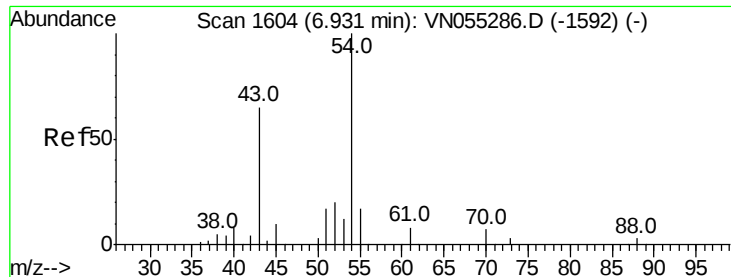
Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Tgt Ion:	75	Resp:	108154
Ion Ratio	Lower	Upper	
75	100		
110	34.6	16.8	50.4
77	32.2	25.0	37.6





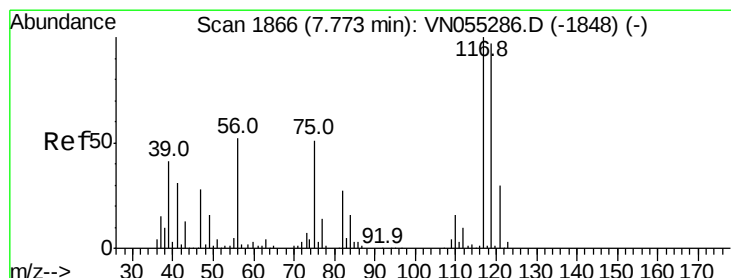
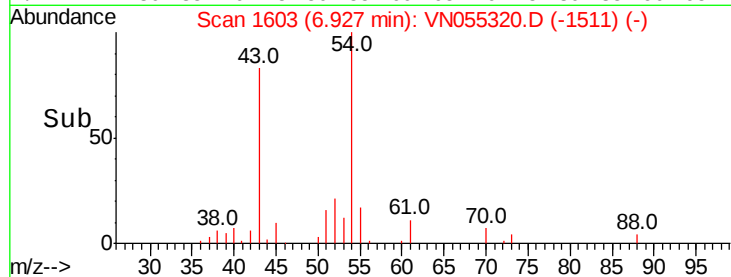
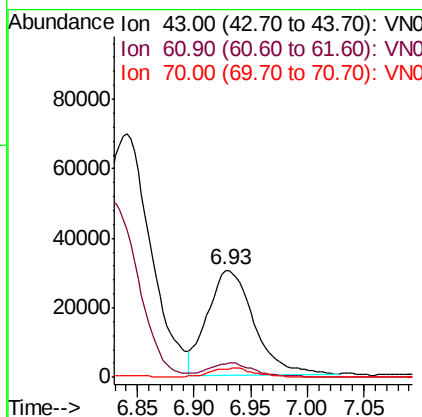
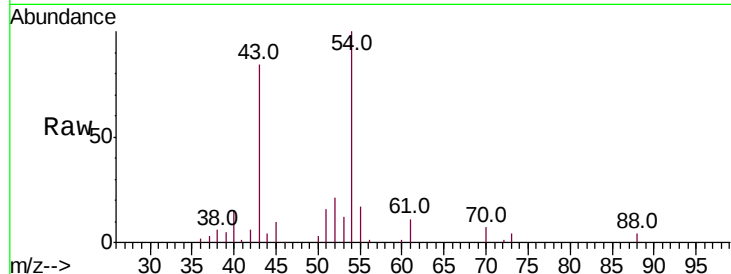
#37
Ethyl Acetate
Concen: 19.140 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	43	Resp	85936
Ion Ratio	100	Lower	Upper
43	100		
61	11.6	10.4	15.6
70	8.6	6.6	10.0

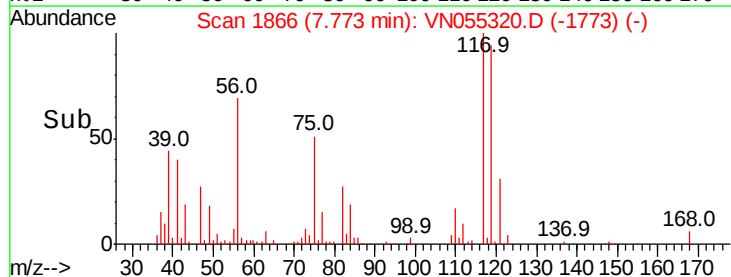
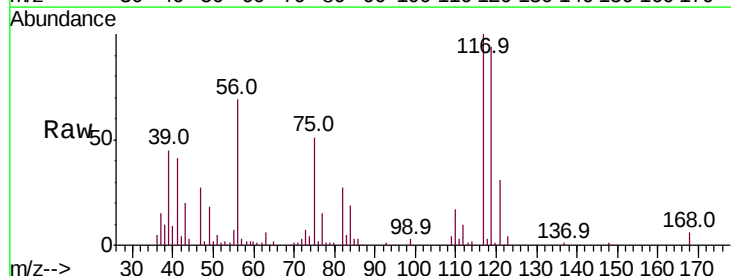
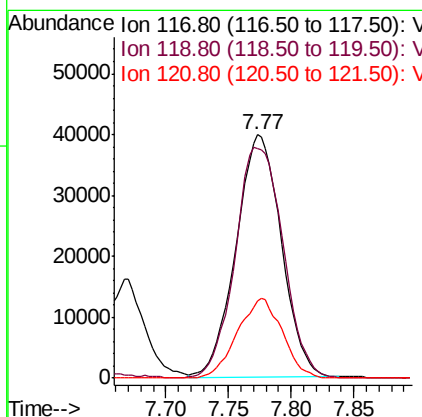
Manual Integrations
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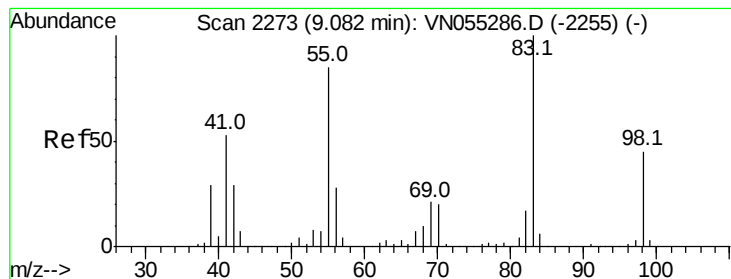
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#38
Carbon Tetrachloride
Concen: 17.725 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion	117	Resp	100169
Ion Ratio	100	Lower	Upper
117	100		
119	94.6	77.0	115.6
121	31.6	23.8	35.8





#39

Methvlcvclohexane

Concen: 18.584 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

Tot Ion: 83 Resp: 115754

Ion Ratio Lower Upper

83 100

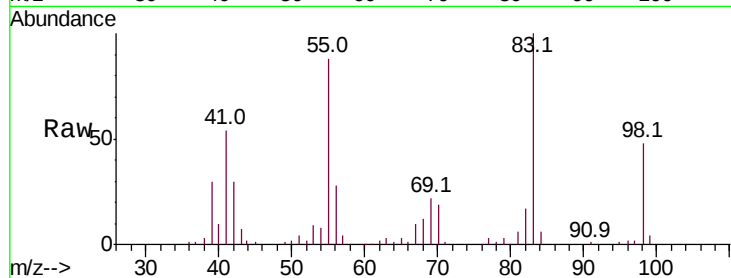
55 88.0 67.8 101.6

98 47.7 36.2 54.4

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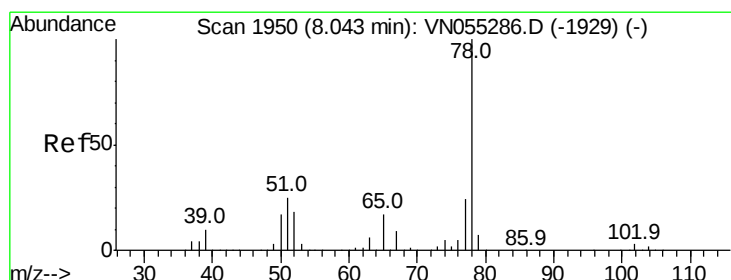
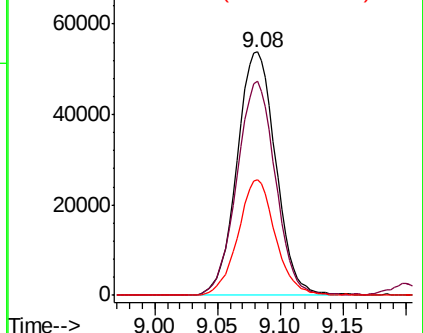
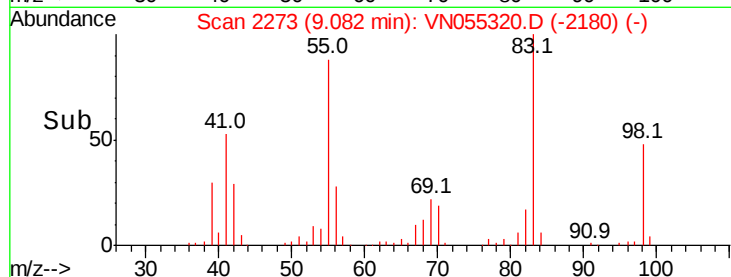
5/2/2019 9:34:06 AM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 19.419 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055320.D

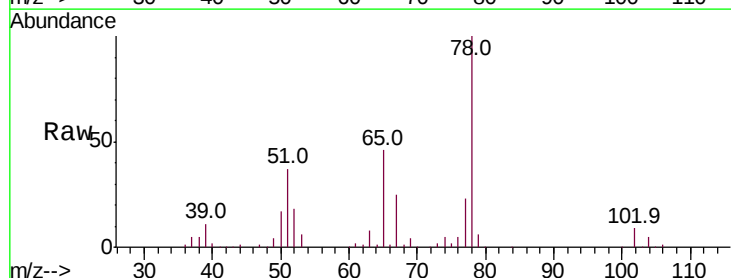
Acq: 1 May 2019 11:20

Tgt Ion: 78 Resp: 335361

Ion Ratio Lower Upper

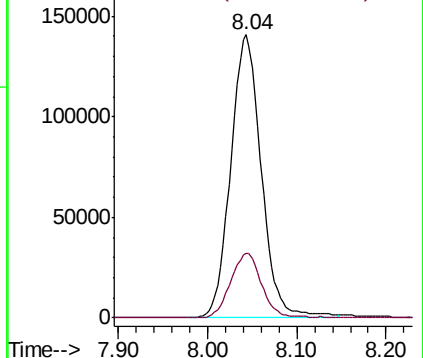
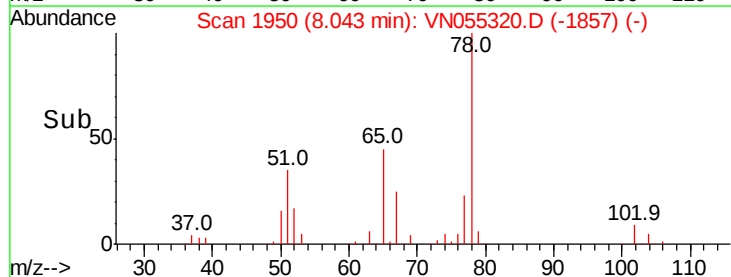
78 100

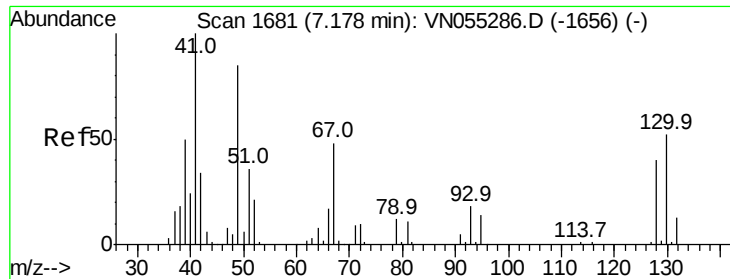
77 23.0 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





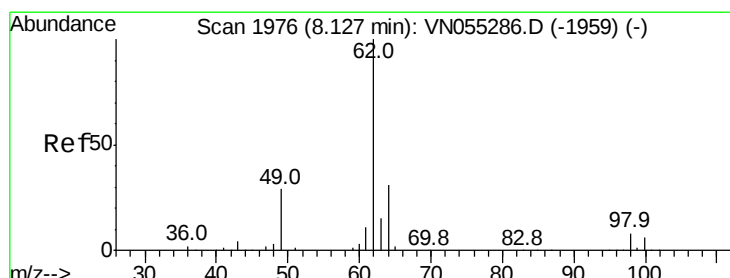
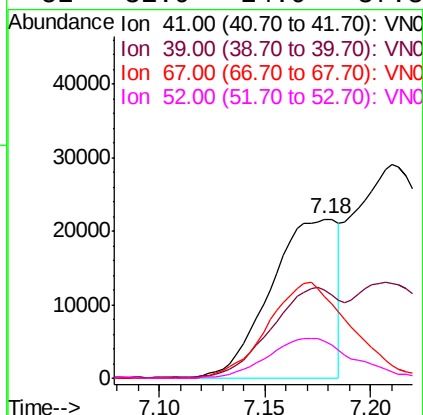
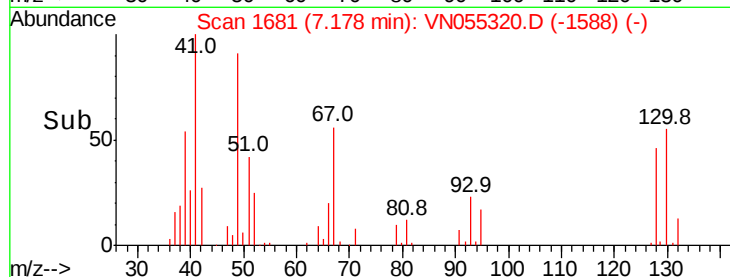
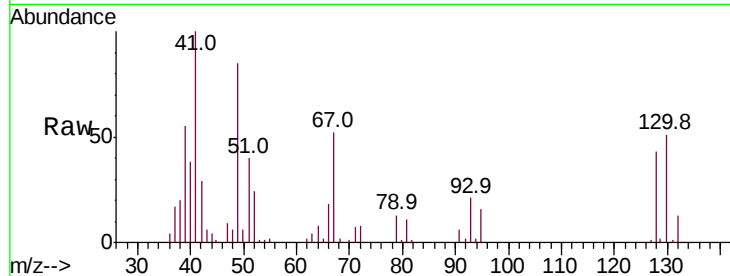
#41
Methacrylonitrile
Concen: 20.126 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	41	Resp	47815
Ion	Ratio	Lower	Upper
41	100		
39	57.4	48.5	72.7
67	75.9	54.9	82.3
52	31.9	24.9	37.3

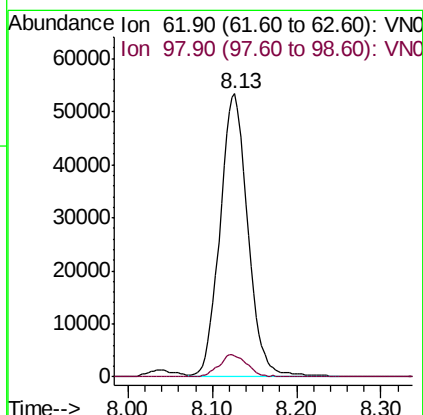
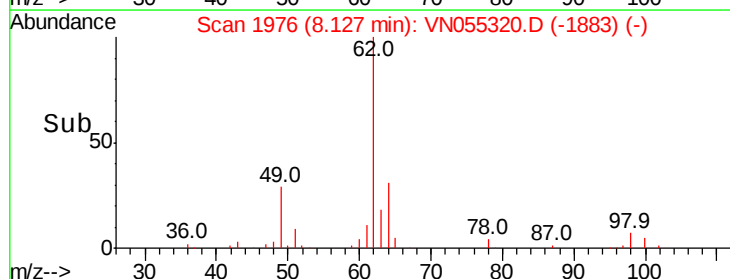
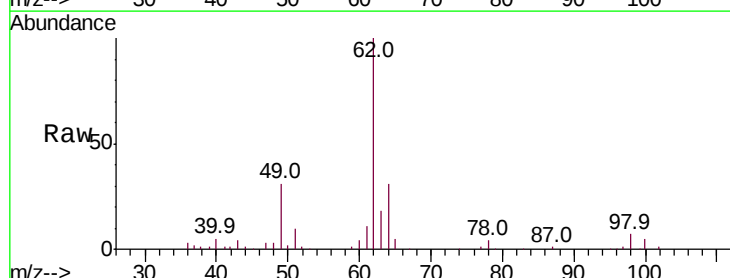
Manual Integrations
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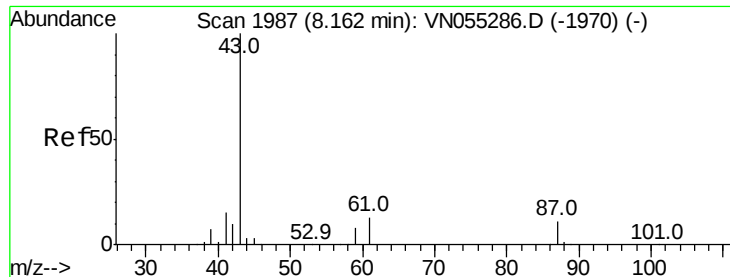
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5/2/2019 9:34:06 AM



#42
1,2-Dichloroethane
Concen: 20.074 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion	62	Resp	122788
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.4





#43

Isopropyl Acetate

Concen: 20.999 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

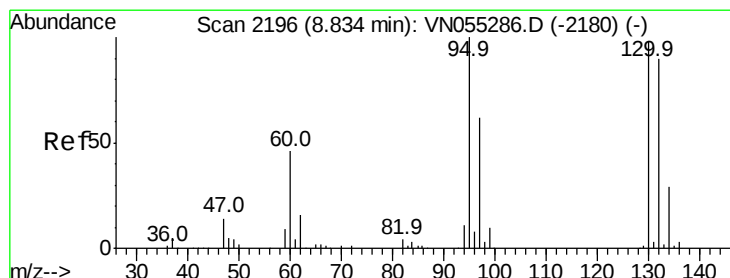
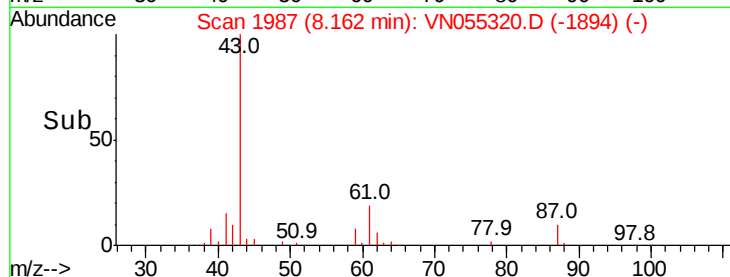
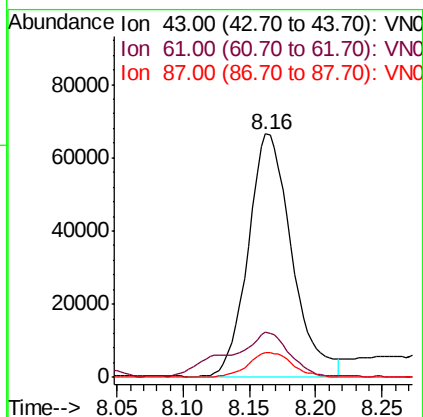
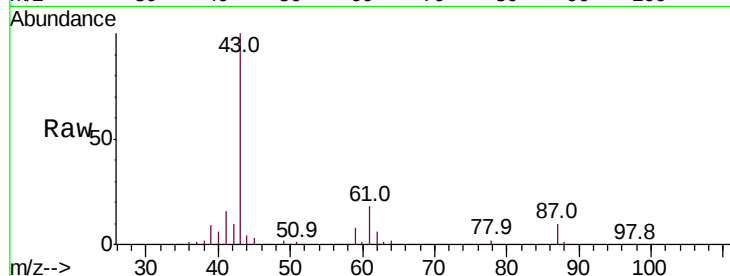
ClientSampleId :

VN0501WBS01

Tot Ion:	43	Resp:	151515
Ion	Ratio	Lower	Upper
43	100		
61	26.6	20.8	31.2
87	10.4	8.5	12.7

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#44

Trichloroethene

Concen: 18.818 ug/l

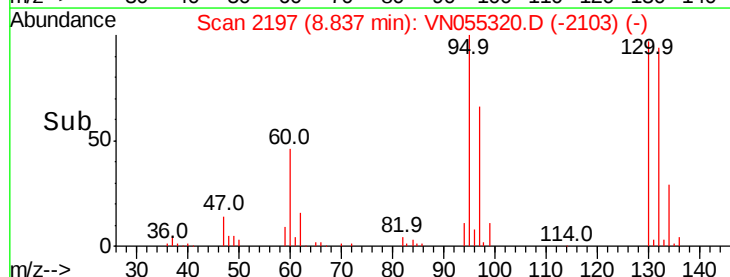
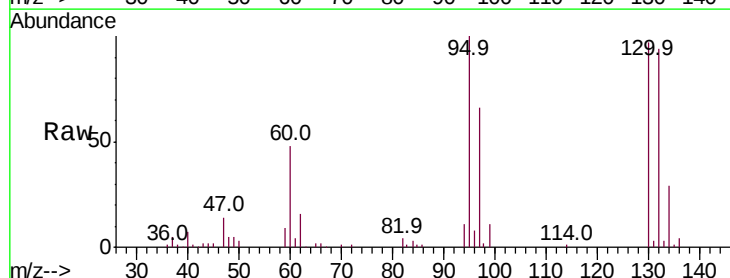
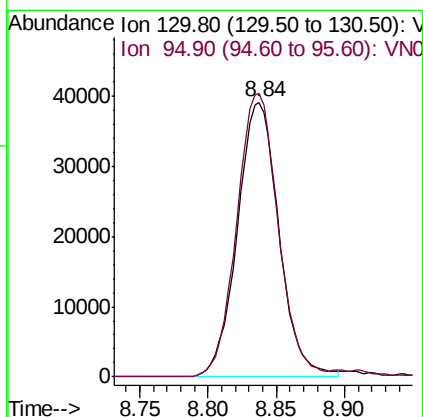
RT: 8.84 min Scan# 2197

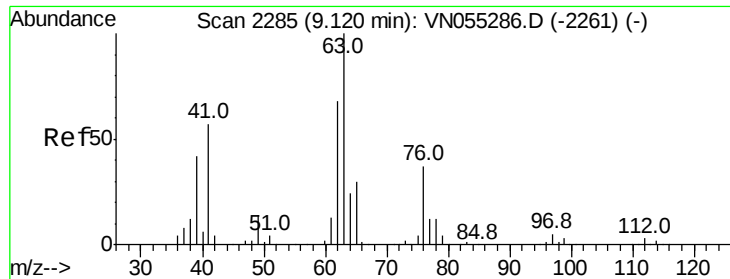
Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Tgt Ion:	130	Resp:	82849
Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	203.4





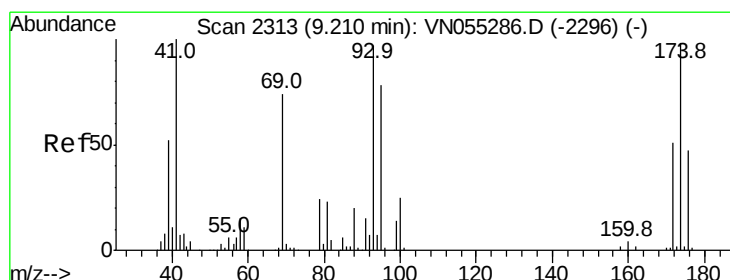
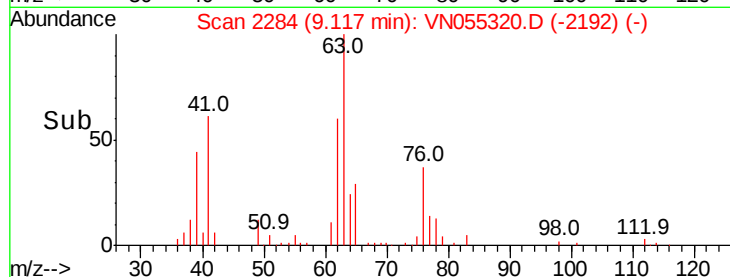
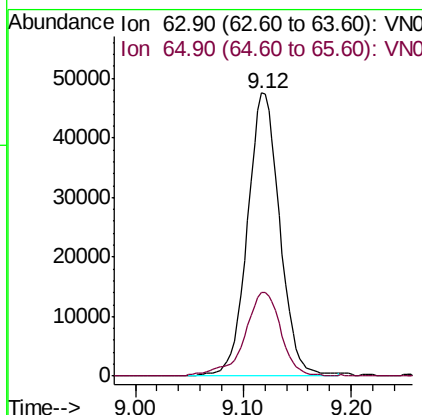
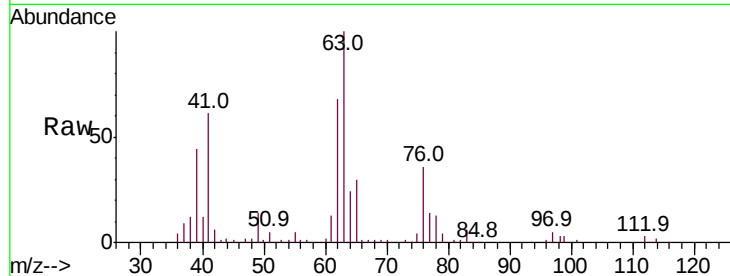
#45
 1,2-Dichloropropane
 Concen: 19.874 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion: 63 Resp: 98989
 Ion Ratio Lower Upper
 63 100
 65 29.2 23.9 35.9

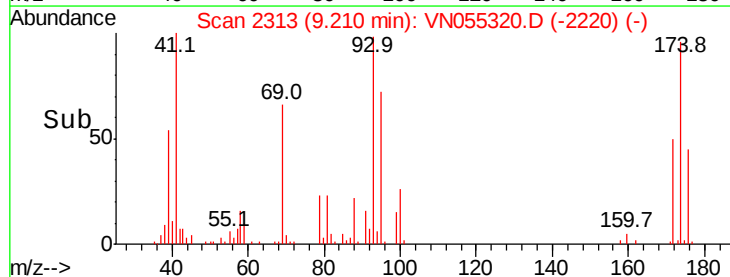
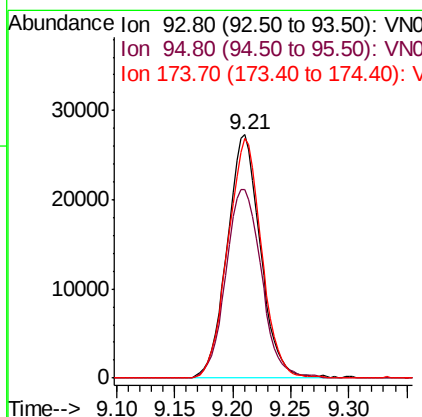
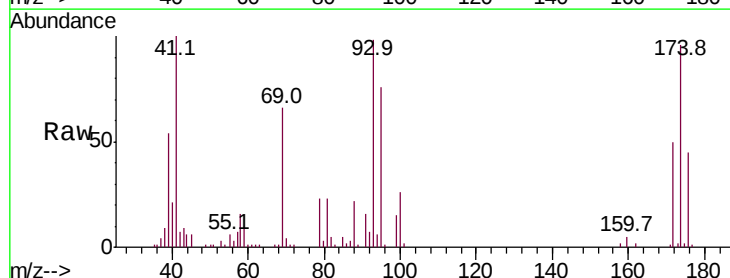
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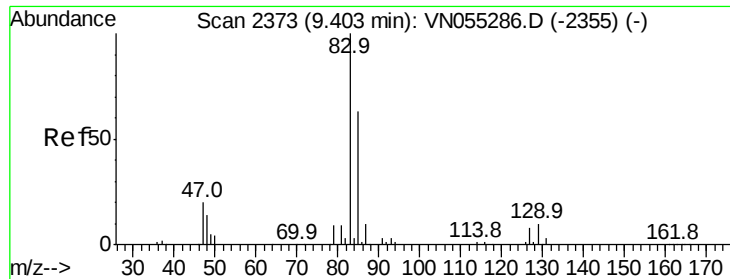
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#46
 Dibromomethane
 Concen: 19.890 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Tgt Ion: 93 Resp: 54153
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.7 98.5
 174 99.4 81.5 122.3





#47

Bromodichloromethane

Concen: 19.681 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

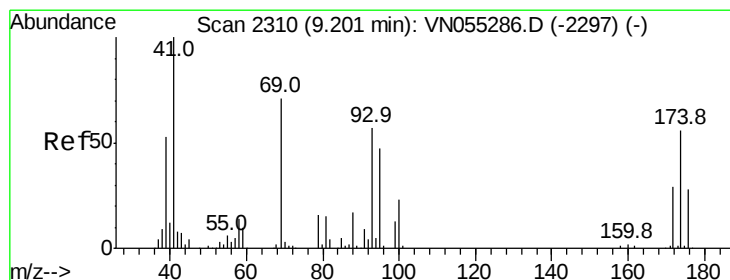
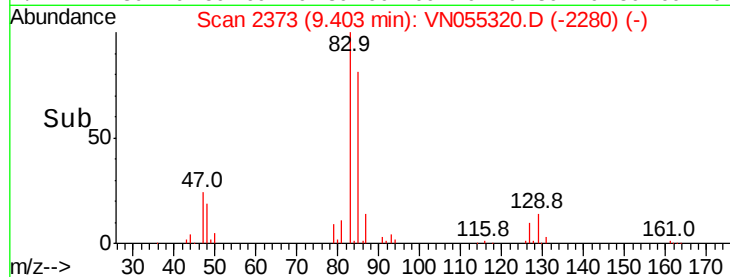
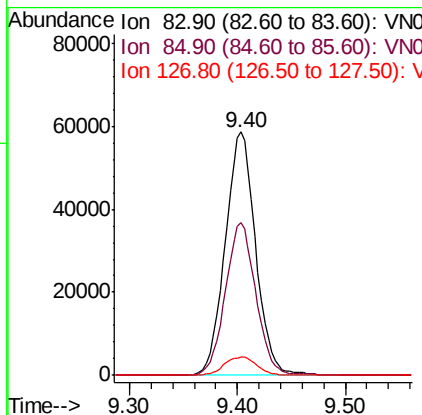
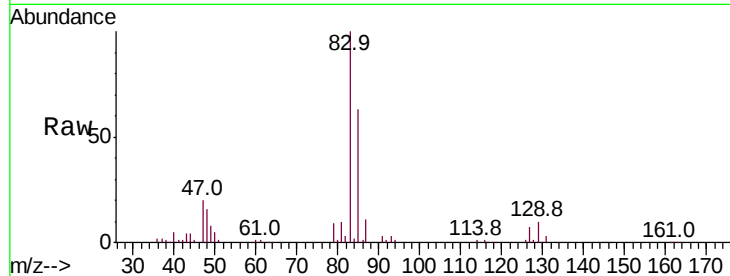
ClientSampleId :

VN0501WBS01

Tot Ion:	83	Resp:	114953
Ion Ratio	Lower	Upper	
83	100		
85	62.9	50.1	75.1
127	7.4	6.7	10.1

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#48

Methyl methacrylate

Concen: 19.280 ug/l

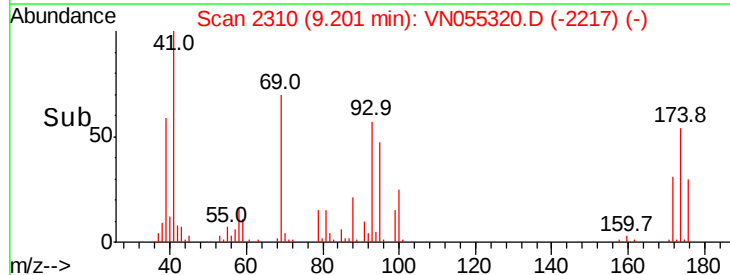
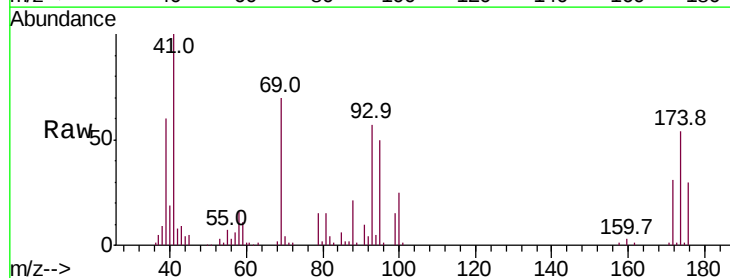
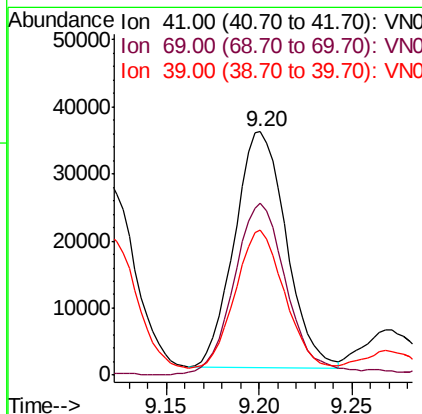
RT: 9.20 min Scan# 2310

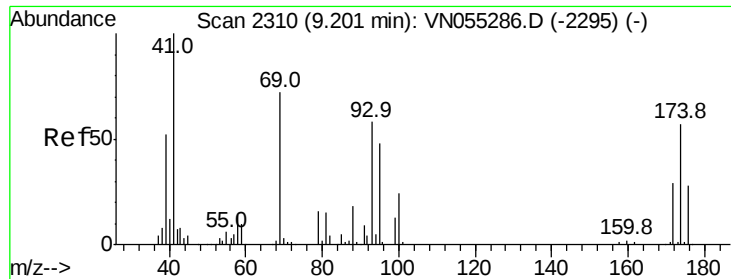
Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Tgt Ion:	41	Resp:	68388
Ion Ratio	Lower	Upper	
41	100		
69	74.6	58.6	87.8
39	60.4	43.8	65.6





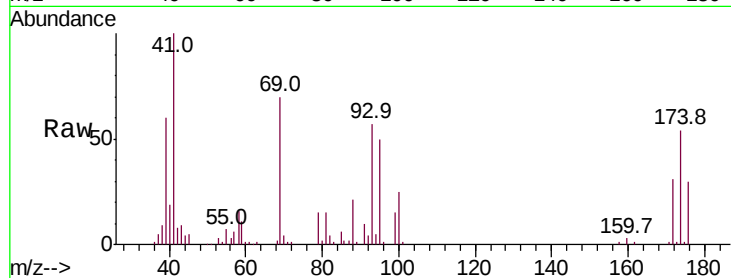
#49
1,4-Dioxane
Concen: 464.055 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

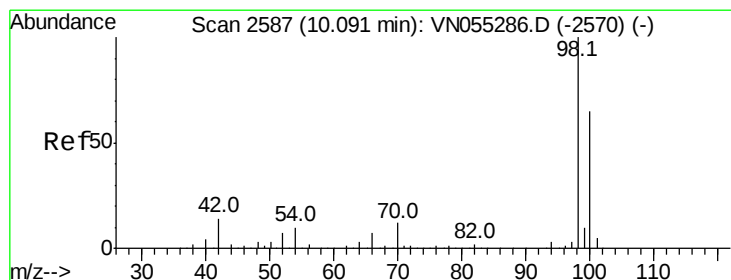
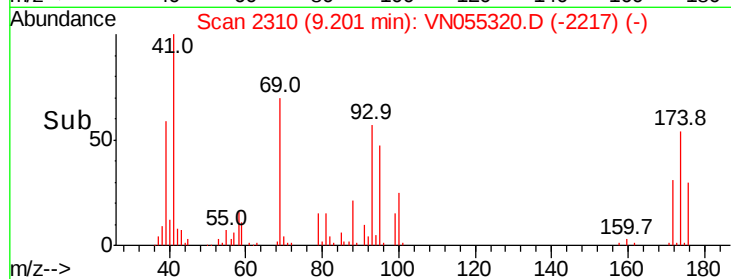
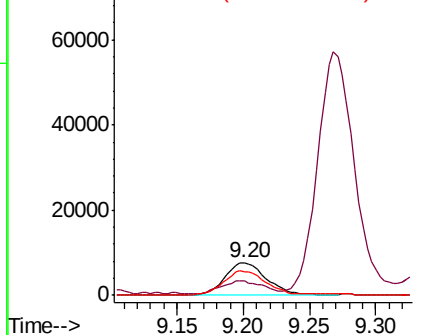
Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	33.3	49.9
58	76.0	62.7	94.1

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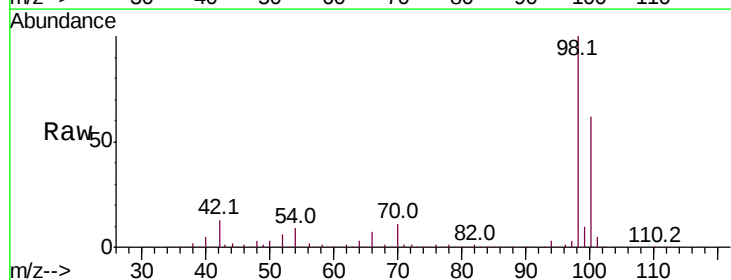


Abundance Ion 88.00 (87.70 to 88.70): VN055320.D (-2217) (-)
Ion 43.00 (42.70 to 43.70): VN055320.D (-2217) (-)
Ion 58.00 (57.70 to 58.70): VN055320.D (-2217) (-)

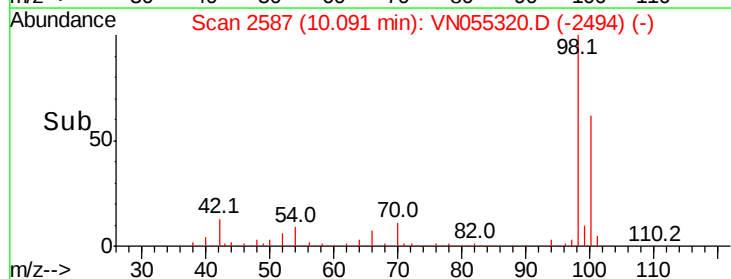
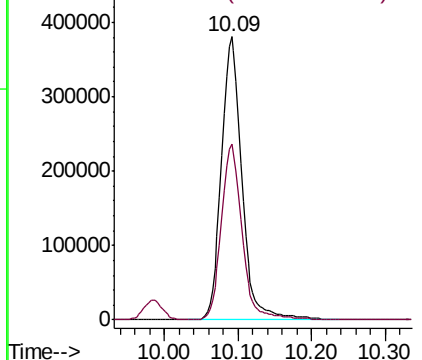


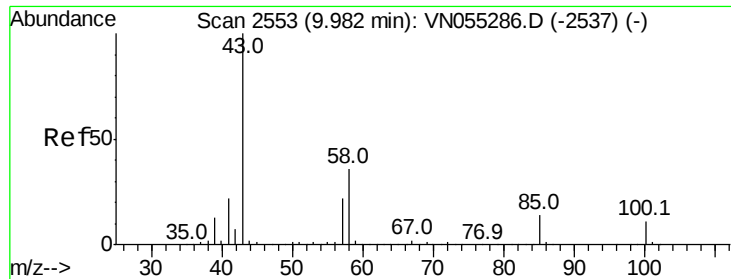
#50
Toluene-d8
Concen: 51.010 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055320.D (-2494) (-)
Ion 100.00 (99.70 to 100.70): VN055320.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 104.720 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

ClientSampled :

VN0501WBS01

Tot Ion: 43 Resp: 425418

Ion Ratio Lower Upper

43 100

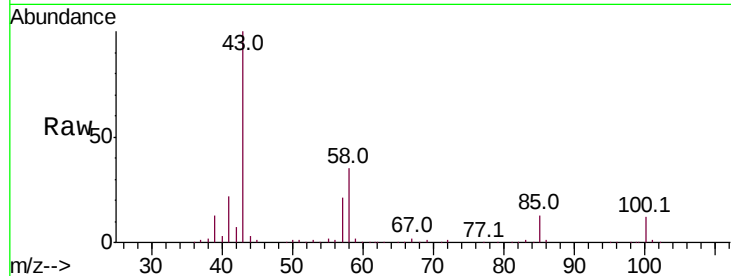
58 34.7 28.5 42.7

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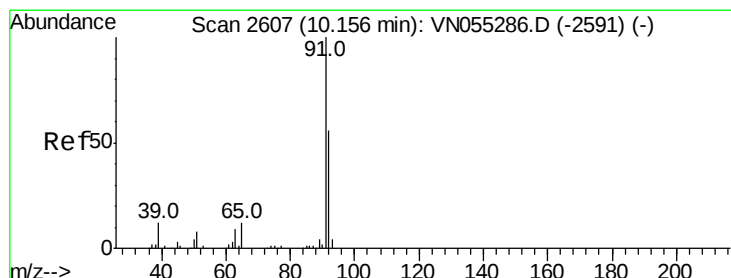
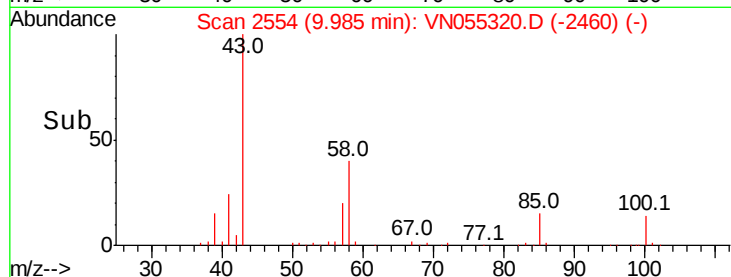
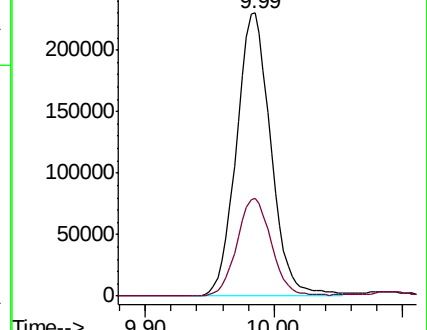
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.080 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055320.D

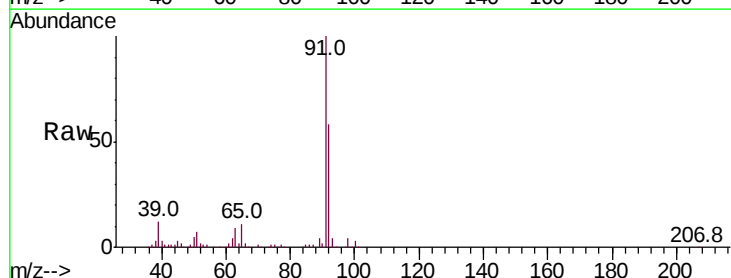
Acq: 1 May 2019 11:20

Tgt Ion: 92 Resp: 198971

Ion Ratio Lower Upper

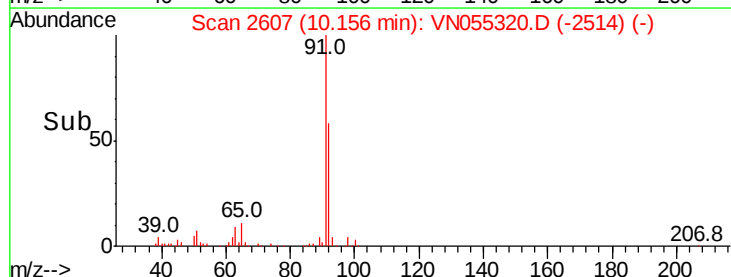
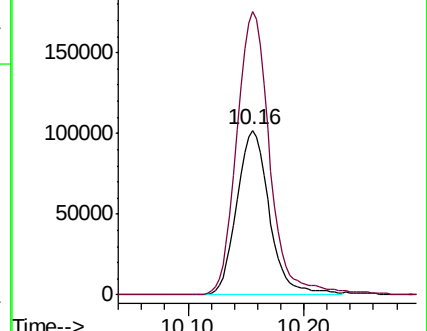
92 100

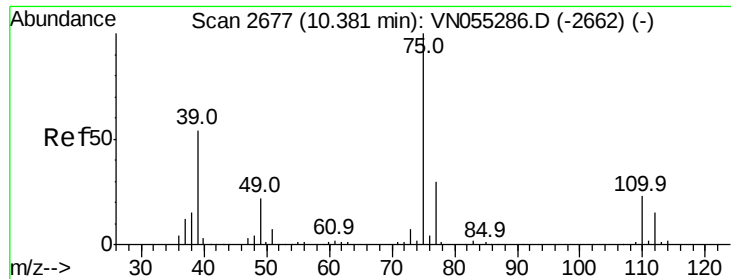
91 175.2 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





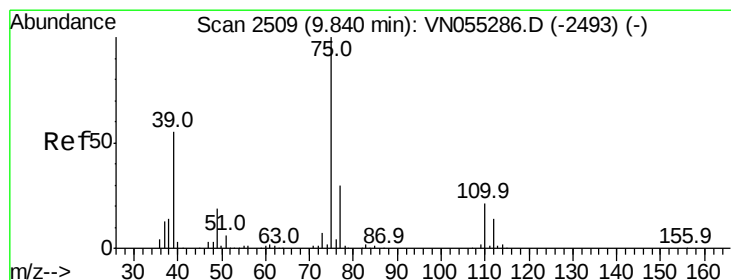
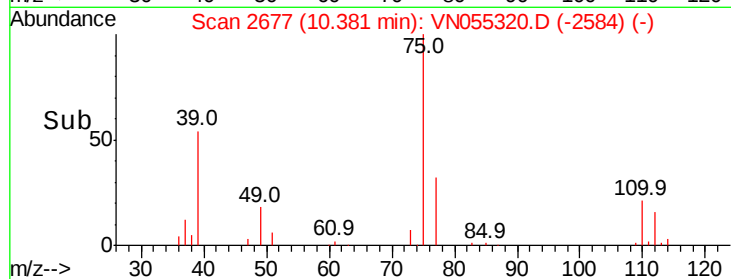
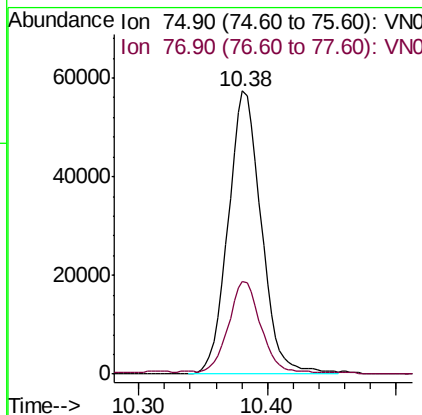
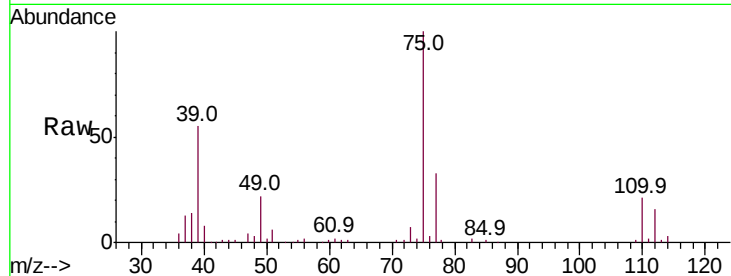
#53
t-1,3-Dichloropropene
Concen: 20.225 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion: 75 Resp: 102550
Ion Ratio Lower Upper
75 100
77 32.3 24.4 36.6

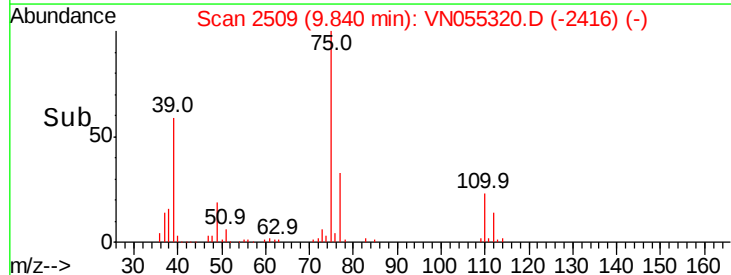
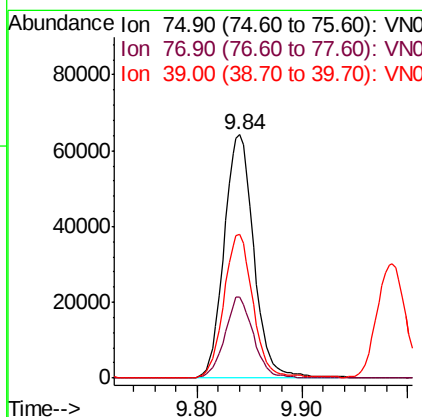
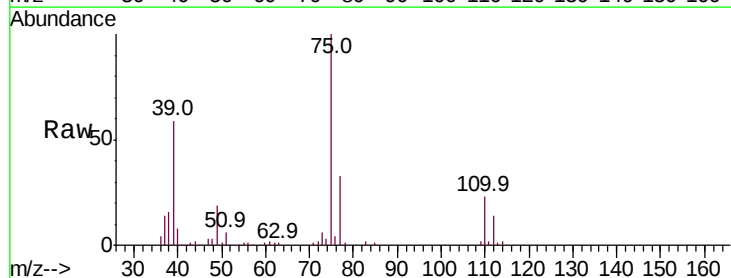
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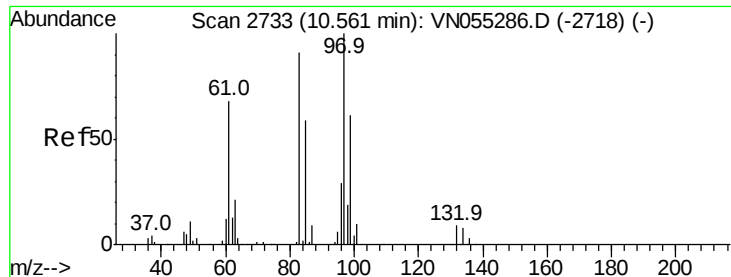
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#54
cis-1,3-Dichloropropene
Concen: 19.836 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion: 75 Resp: 125396
Ion Ratio Lower Upper
75 100
77 33.2 24.2 36.2
39 58.6 44.2 66.2





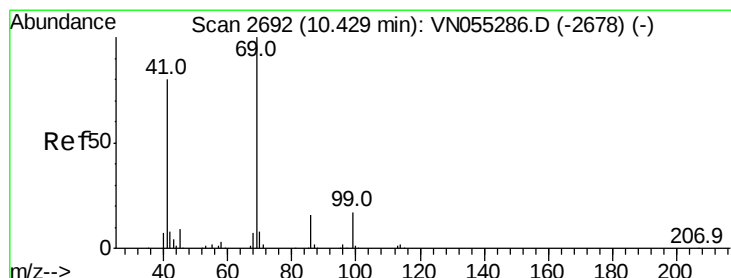
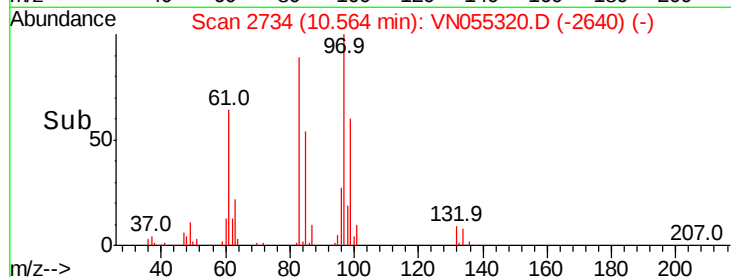
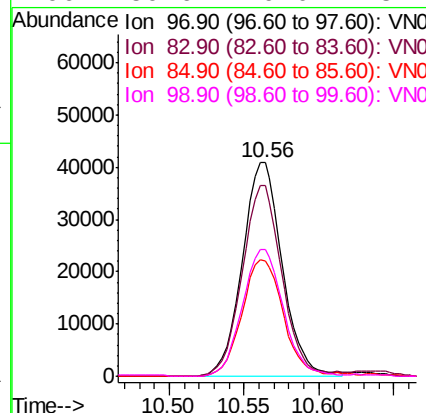
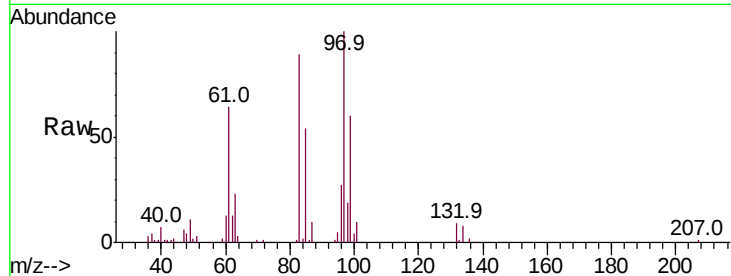
#55
 1,1,2-Trichloroethane
 Concen: 20.599 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.1	72.8	109.2
85	54.2	47.0	70.6
99	59.6	49.0	73.4

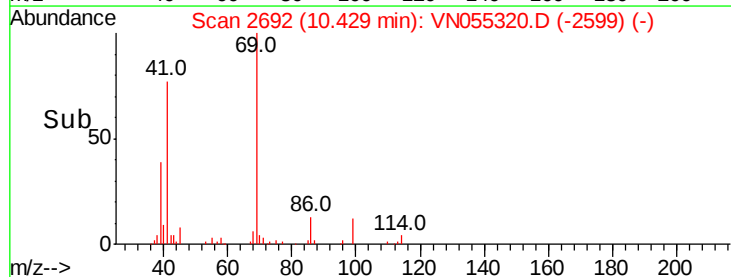
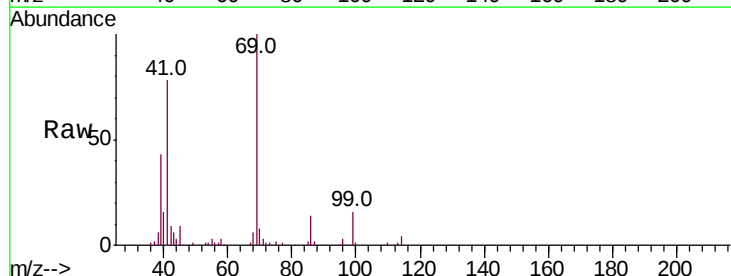
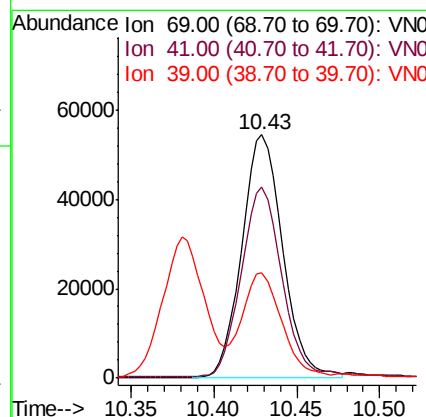
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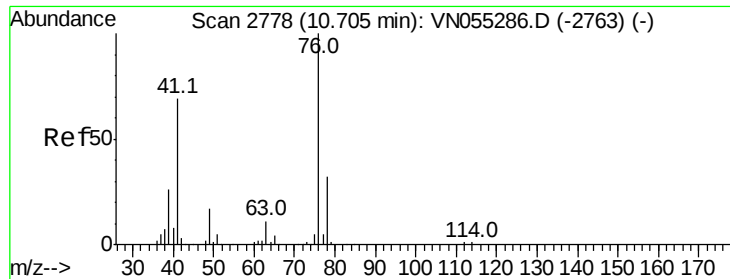
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#56
 Ethyl methacrylate
 Concen: 20.686 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.1	62.7	94.1
39	40.1	32.0	48.0





#57

1,3-Dichloropropane

Concen: 19.892 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

Tot Ion: 76 Resp: 128400

Ion Ratio Lower Upper

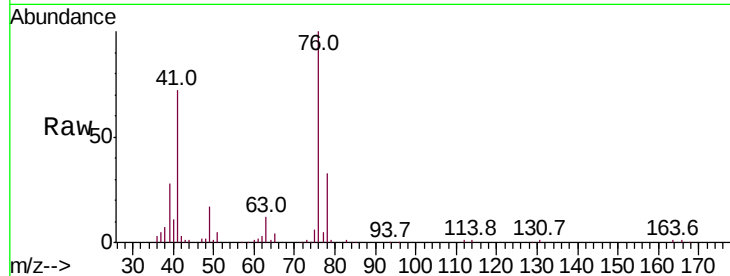
76 100

78 32.6 25.6 38.4

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Abundance Ion 75.90 (75.60 to 76.60): VN055320.D (-2685) (-)

Ion 77.90 (77.60 to 78.60): VN055320.D (-2685) (-)

80000

60000

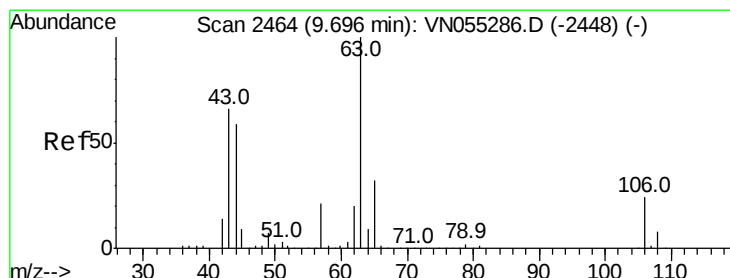
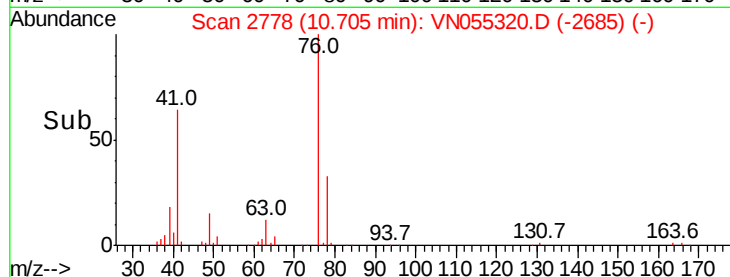
40000

20000

0

10.60 10.70 10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 96.022 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055320.D

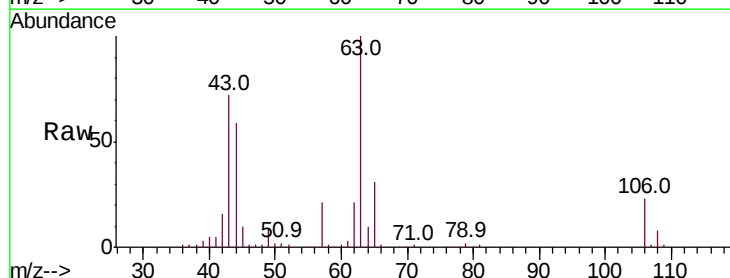
Acq: 1 May 2019 11:20

Tgt Ion: 63 Resp: 123666

Ion Ratio Lower Upper

63 100

106 23.8 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN055320.D (-2370) (-)

Ion 105.90 (105.60 to 106.60): VN055320.D (-2370) (-)

80000

60000

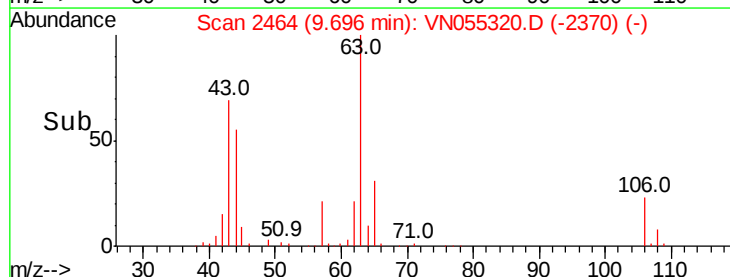
40000

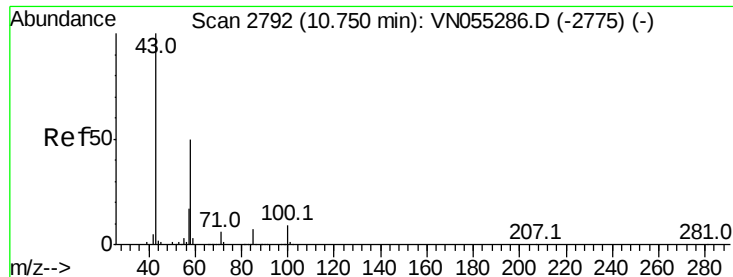
20000

0

9.60 9.70 9.80

Time-->





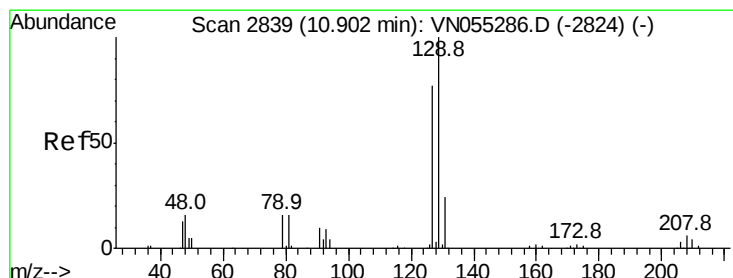
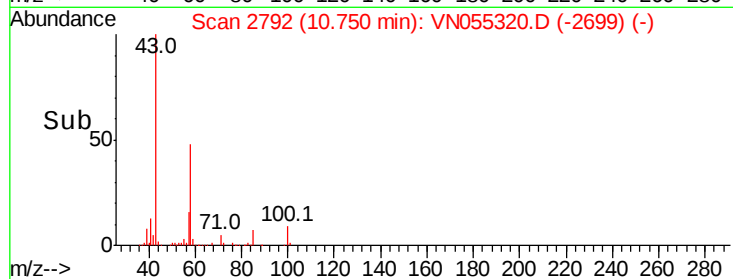
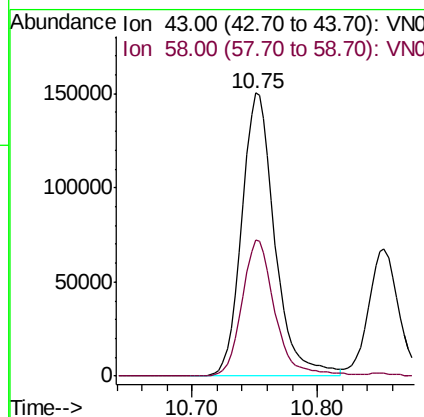
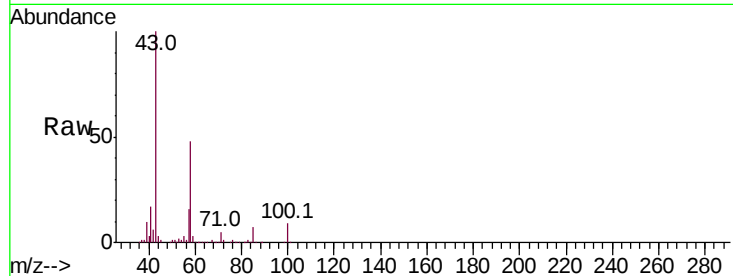
#59
2-Hexanone
Concen: 107.927 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.0	24.9	74.6

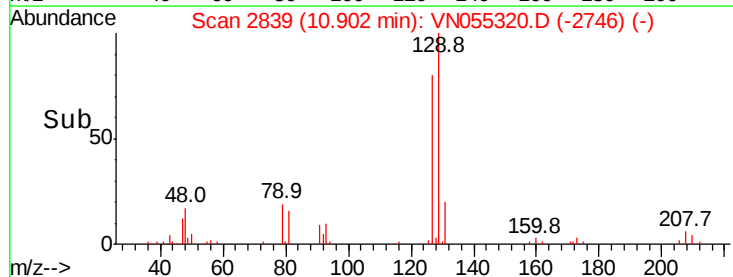
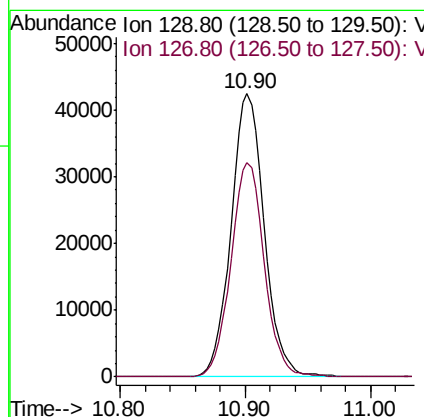
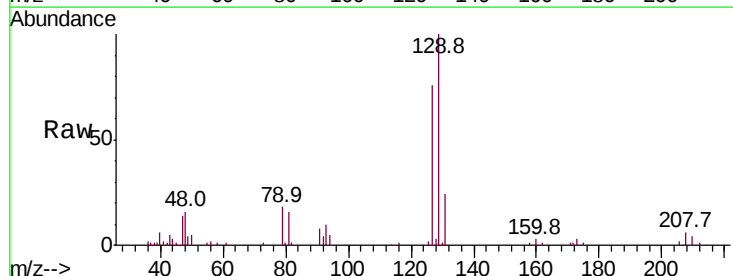
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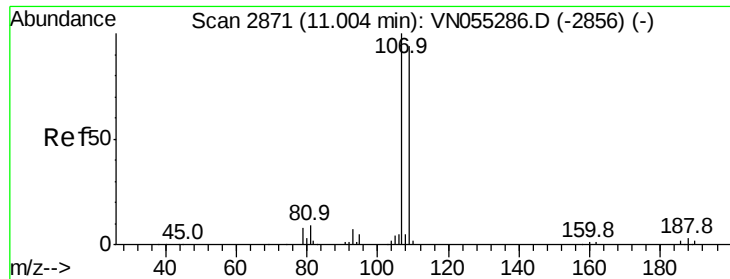
MMDadoda
5/2/2019 9:34:06 AM



#60
Dibromochloromethane
Concen: 20.728 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.1	114.5





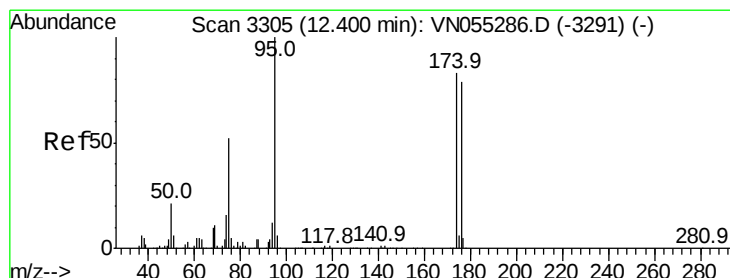
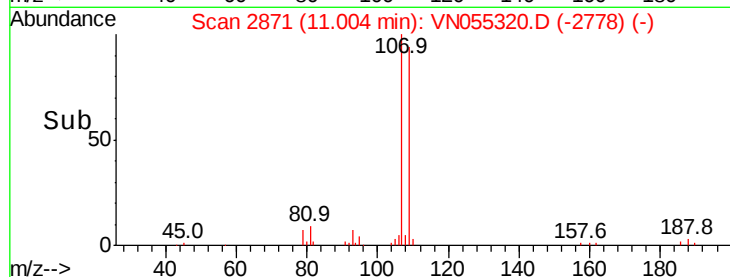
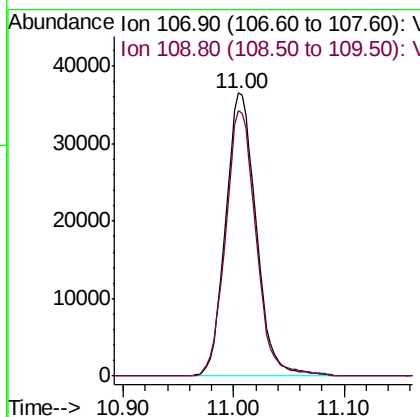
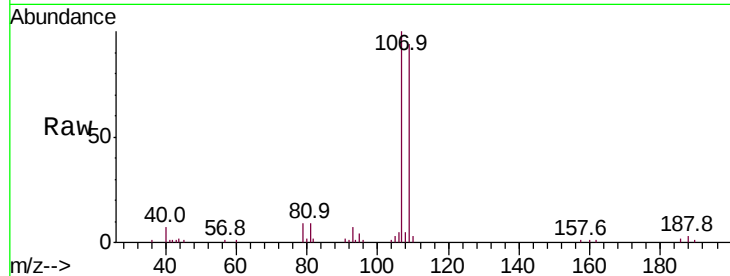
#61
 1,2-Dibromoethane
 Concen: 20.615 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.0	112.6

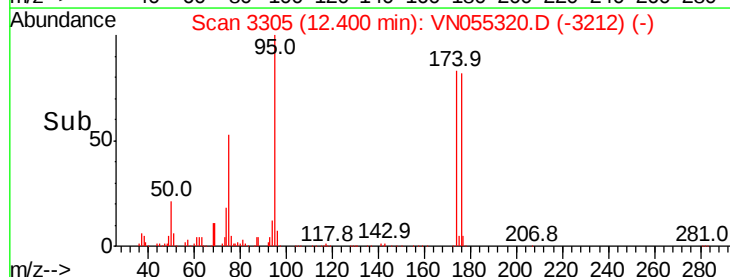
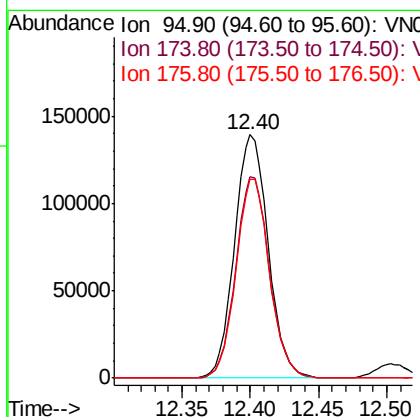
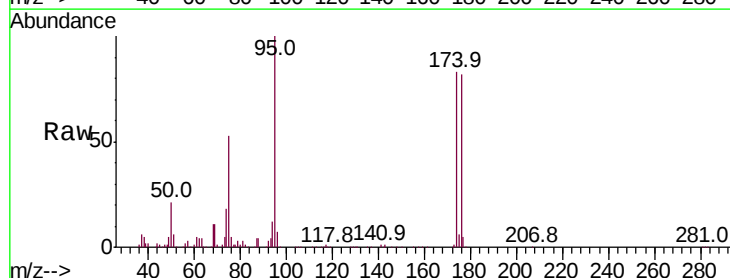
Manual Integrations
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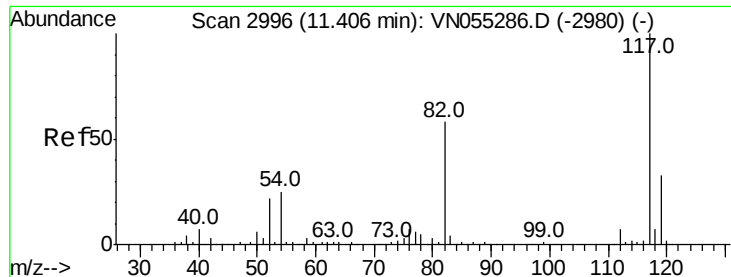
MMDadoda
 5/2/2019 9:34:06 AM



#62
 4-Bromofluorobenzene
 Concen: 52.814 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.5	0.0	166.6
176	81.0	0.0	157.8





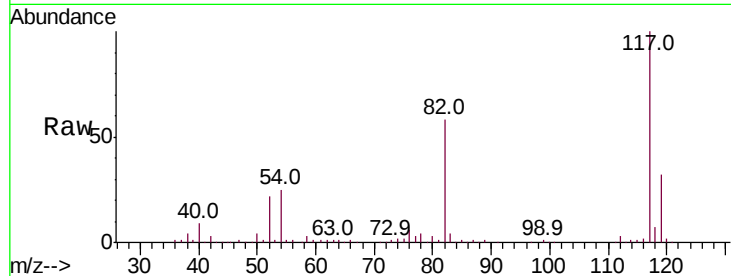
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	58.0	46.2	69.4	
119	32.3	26.6	40.0	

Manual Integrations
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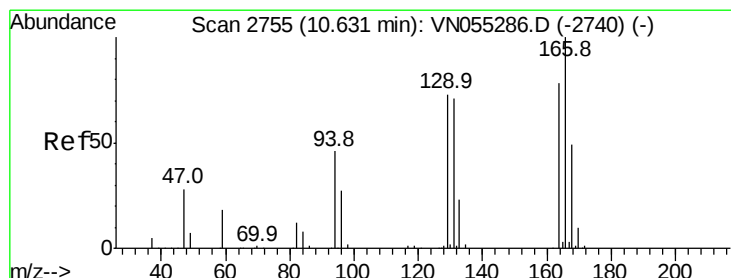
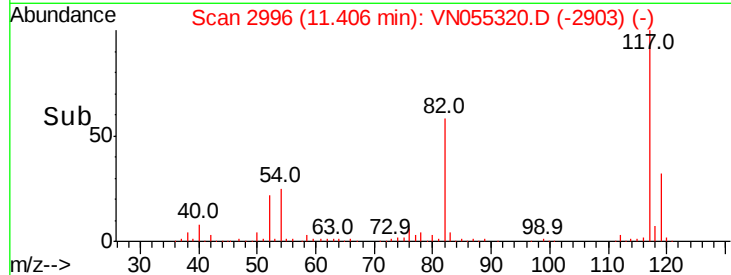
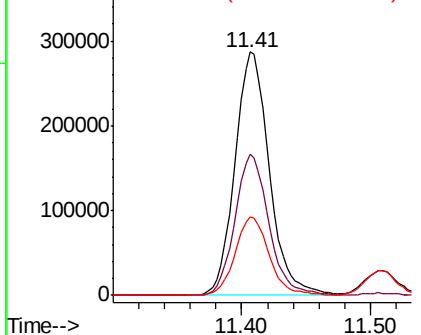


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.272 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	126.5	102.3	153.5	
129	92.6	75.0	112.6	
131	89.1	72.7	109.1	

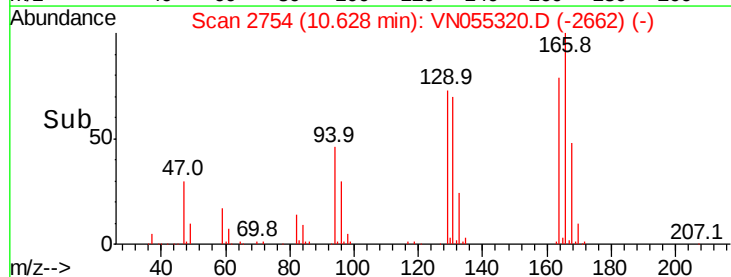
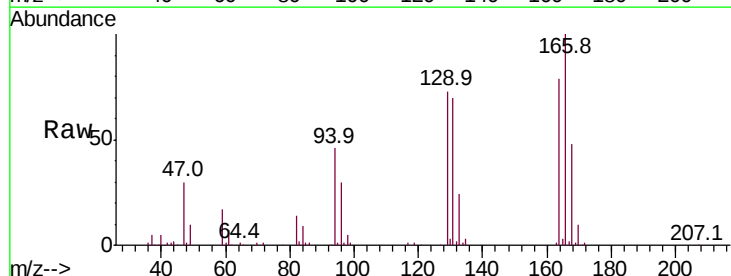
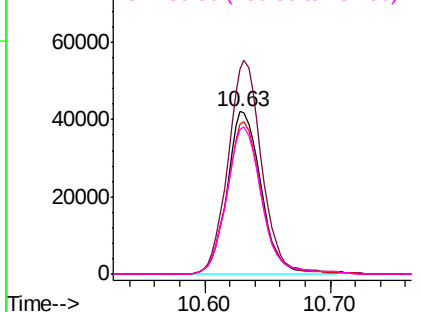
Abundance

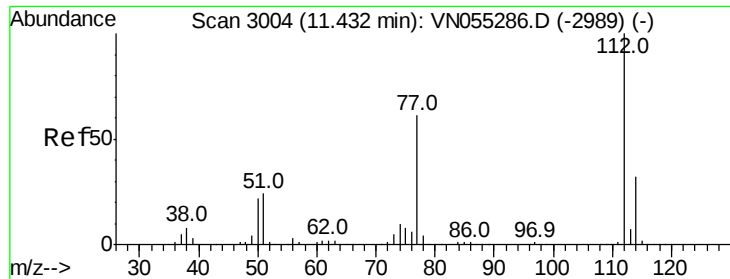
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





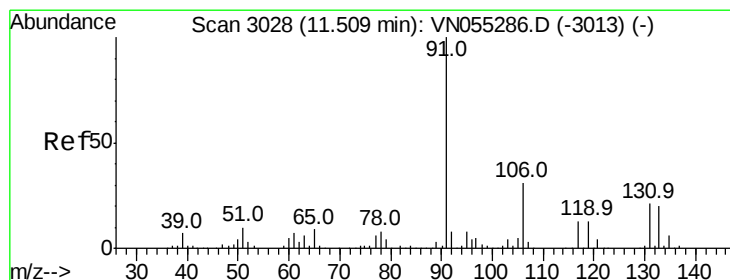
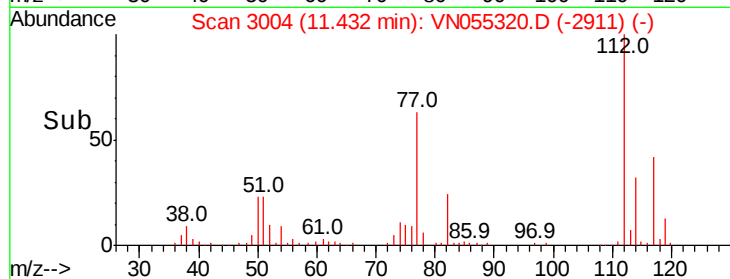
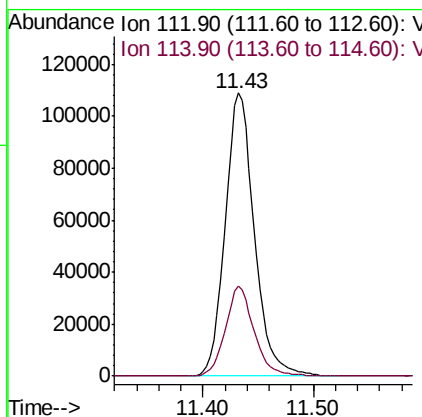
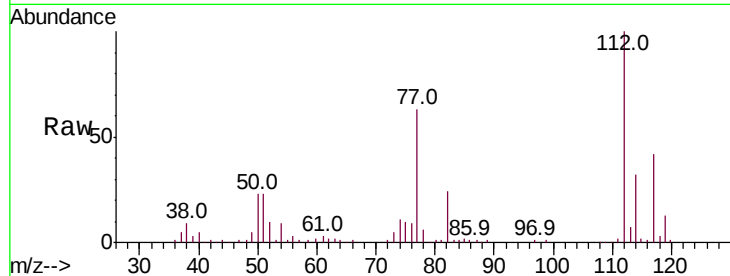
#65
Chlorobenzene
Concen: 19.207 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion:112 Resp: 199549
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9

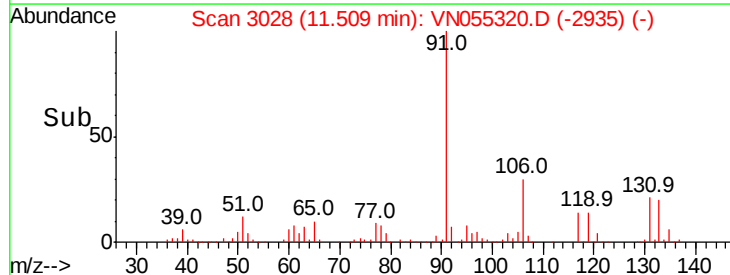
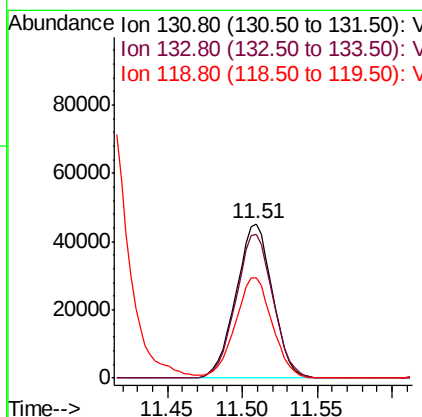
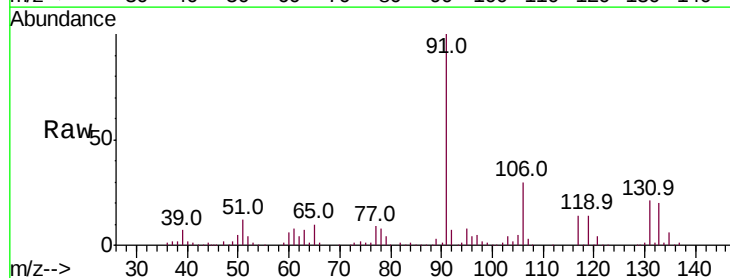
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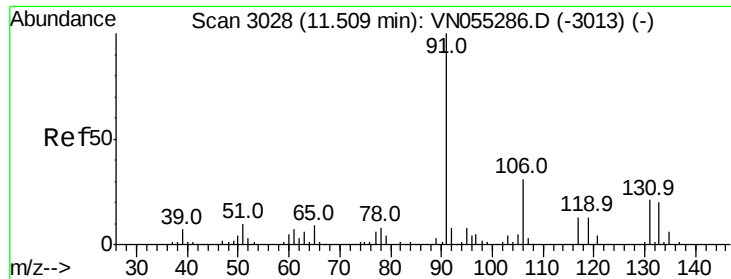
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.917 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion:131 Resp: 76956
Ion Ratio Lower Upper
131 100
133 94.8 47.5 142.6
119 65.8 32.7 98.1





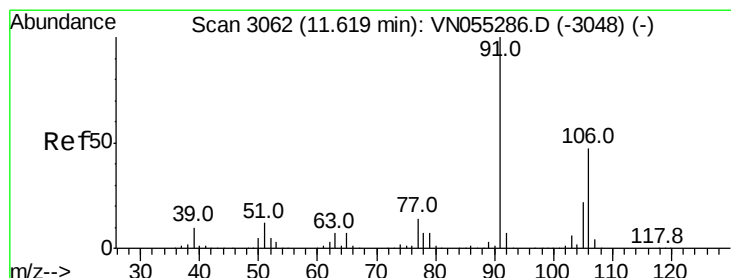
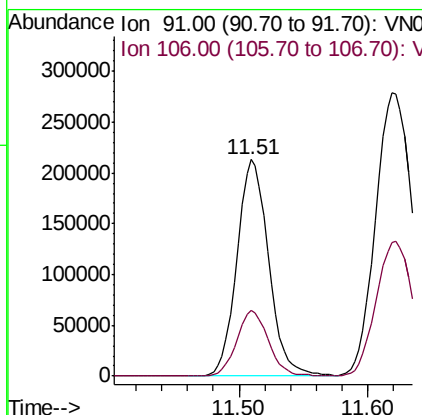
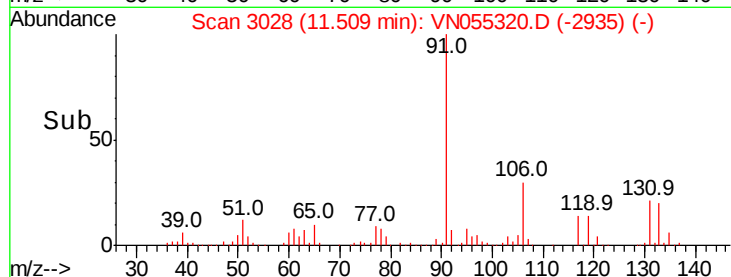
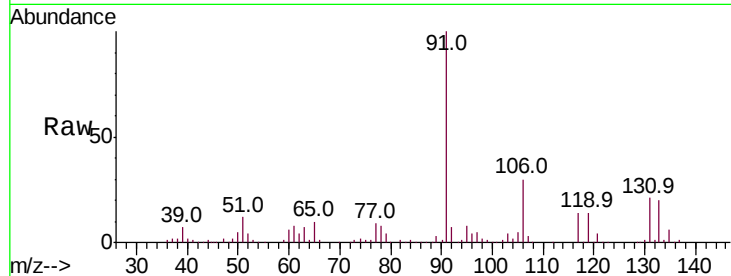
#67
Ethyl Benzene
Concen: 19.493 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion: 91 Resp: 365707
Ion Ratio Lower Upper
91 100
106 30.2 24.6 36.8

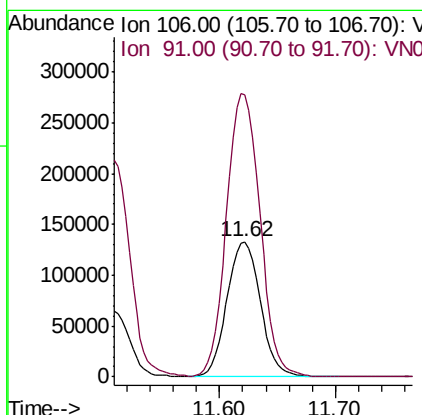
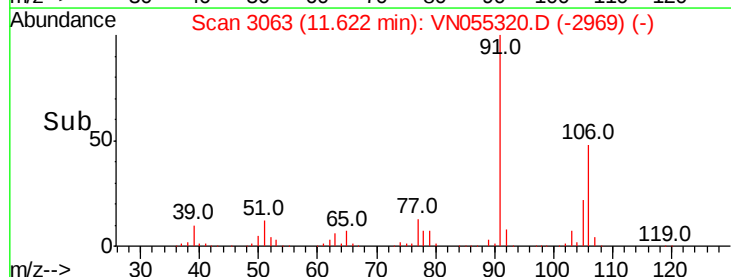
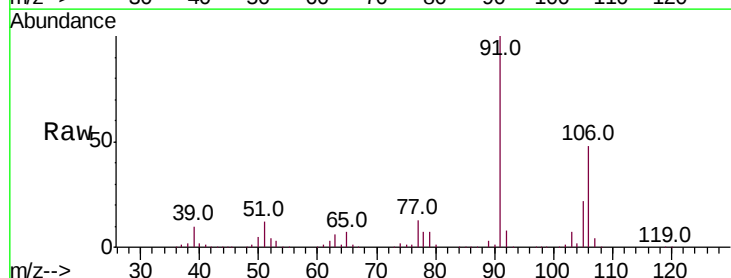
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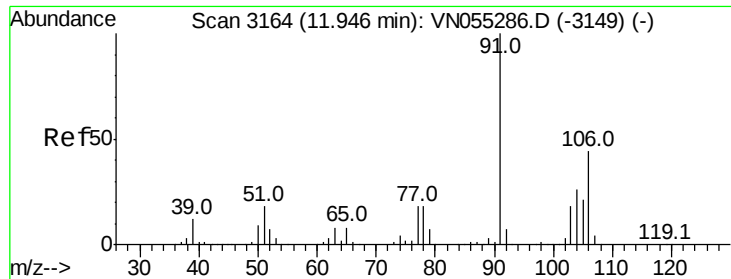
MMDadoda
5/2/2019 9:34:06 AM



#68
m/p-Xylenes
Concen: 39.852 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion: 106 Resp: 266880
Ion Ratio Lower Upper
106 100
91 209.8 169.5 254.3





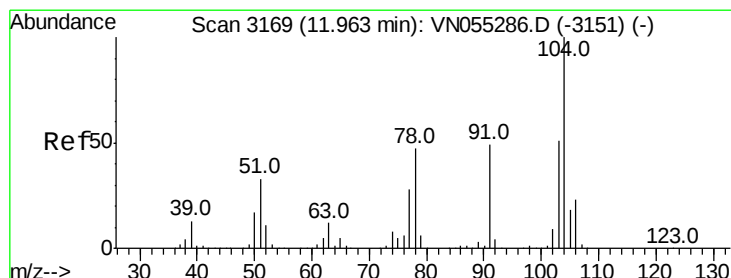
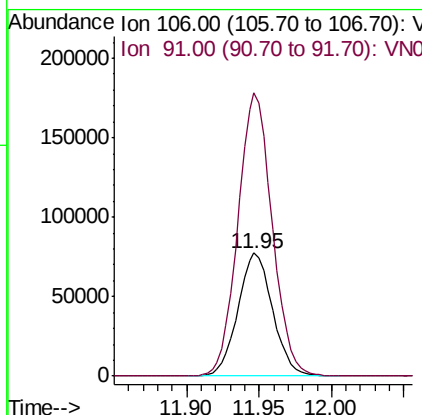
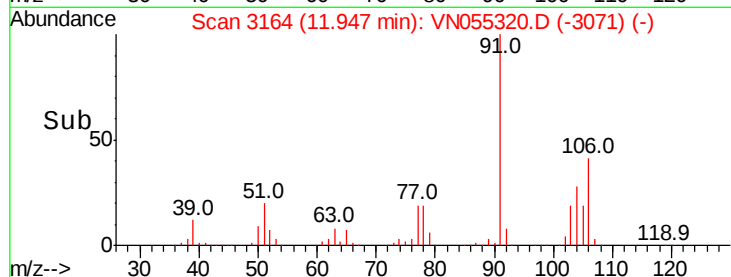
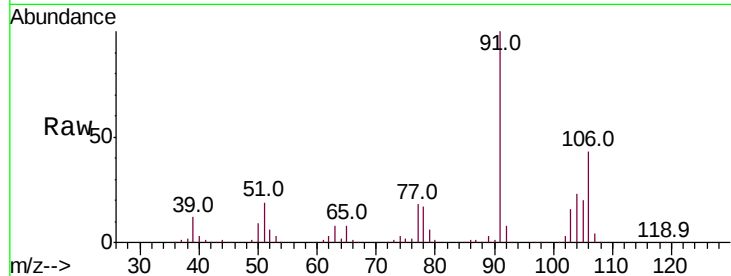
#69
o-Xylene
Concen: 19.427 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion:106 Resp: 128949
Ion Ratio Lower Upper
106 100
91 227.0 111.5 334.5

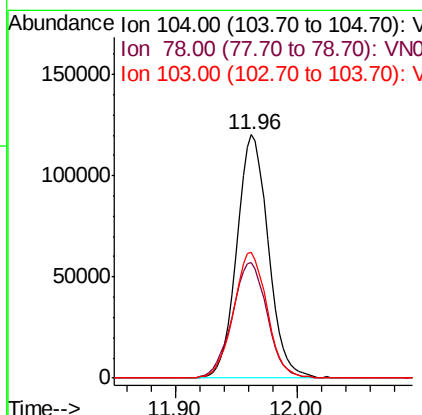
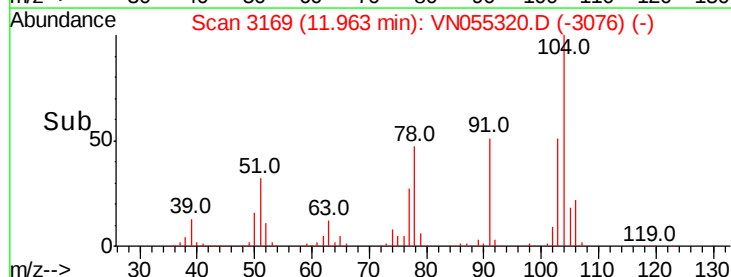
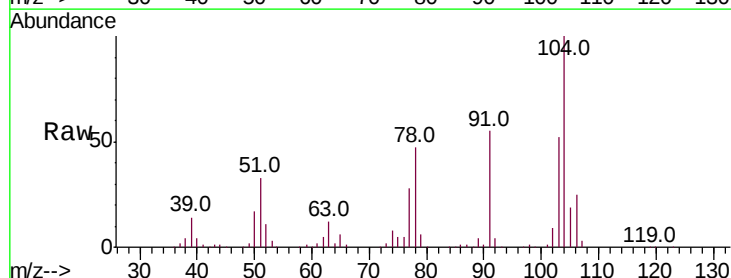
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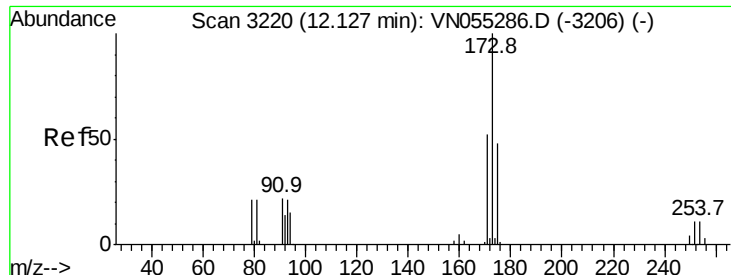
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5/2/2019 9:34:06 AM



#70
Styrene
Concen: 21.043 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion:104 Resp: 214461
Ion Ratio Lower Upper
104 100
78 53.1 42.2 63.2
103 55.3 44.6 67.0





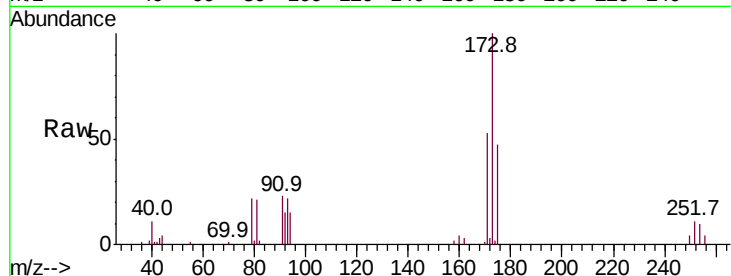
#71
Bromoform
Concen: 20.839 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

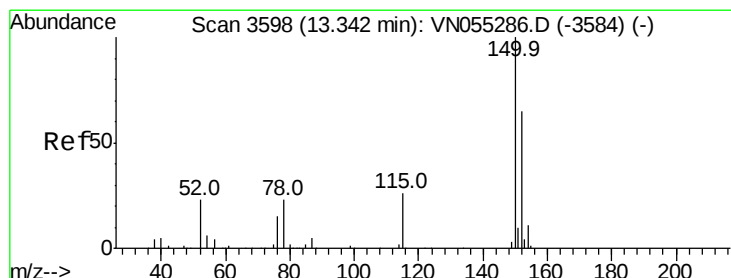
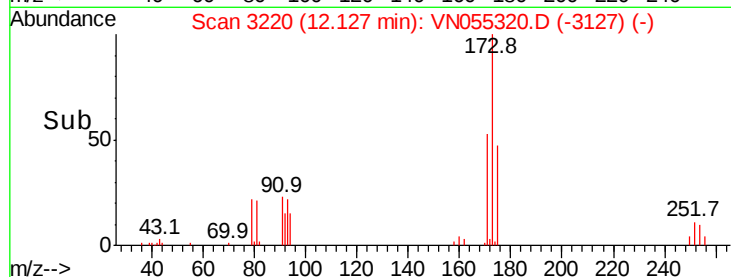
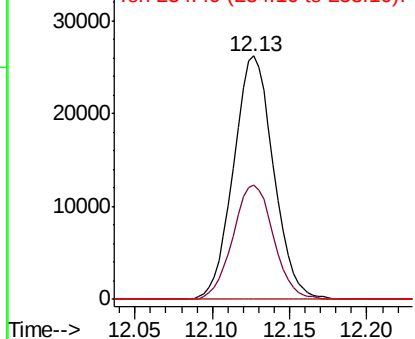
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.6	71.0
254	0.0	0.0	0.0

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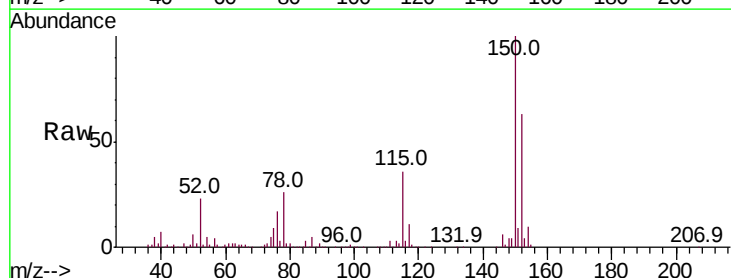


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

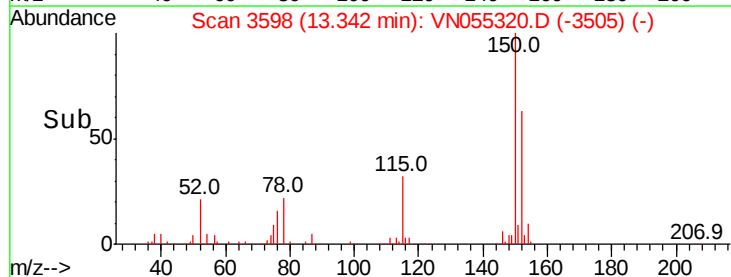
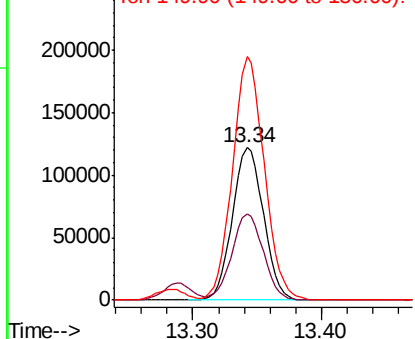


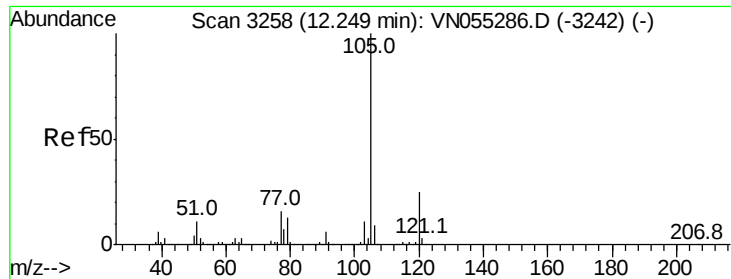
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	29.0	87.0
150	163.4	0.0	345.6



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





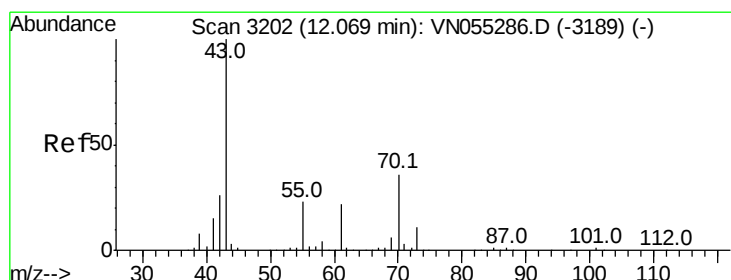
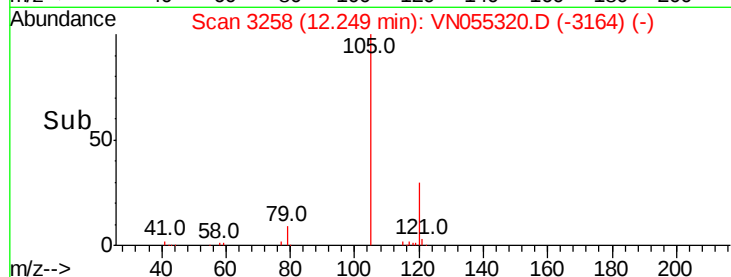
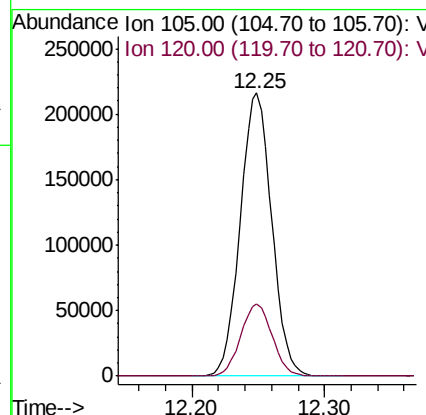
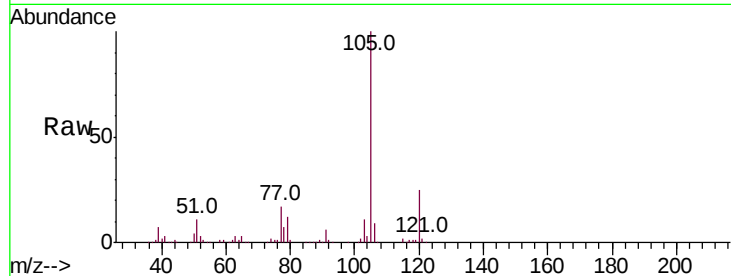
#73
Isopropylbenzene
Concen: 20.022 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.7

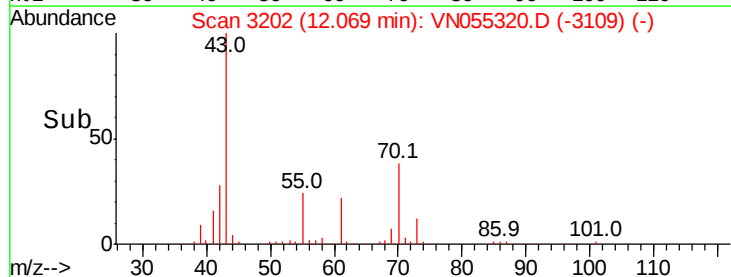
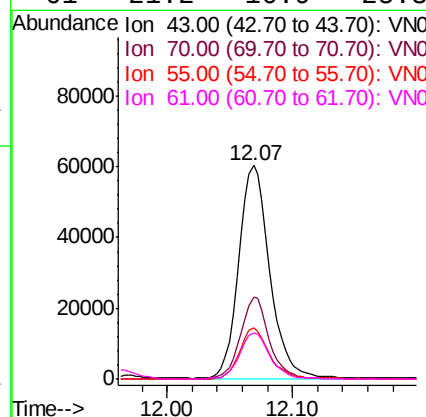
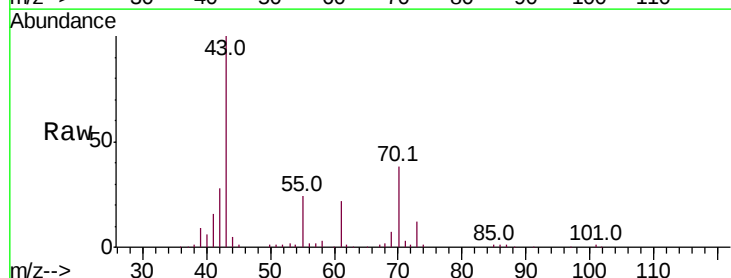
Manual Integrations
APPROVED

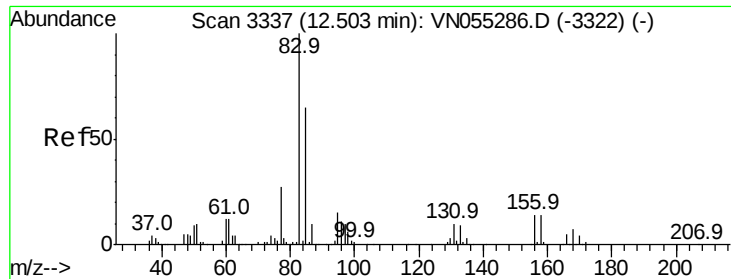
MMDadoda
5/2/2019 9:34:06 AM



#74
N-ethyl acetate
Concen: 19.704 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.9	27.9	41.9
55	23.4	18.2	27.2
61	21.2	16.9	25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.861 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

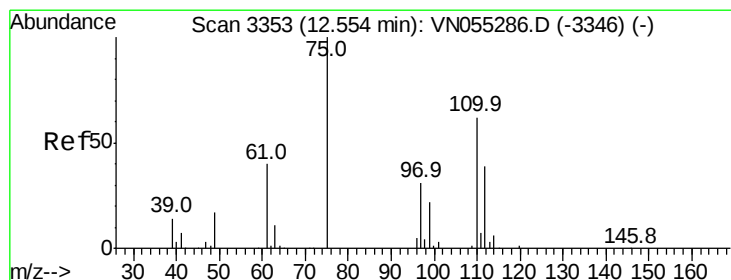
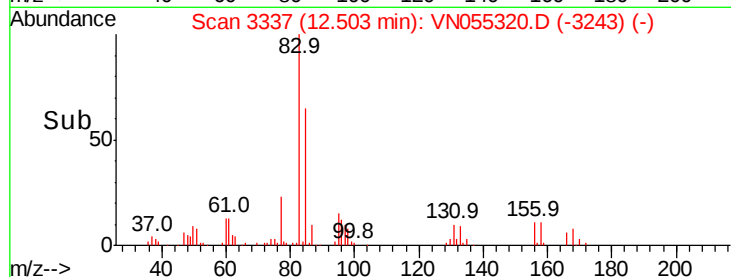
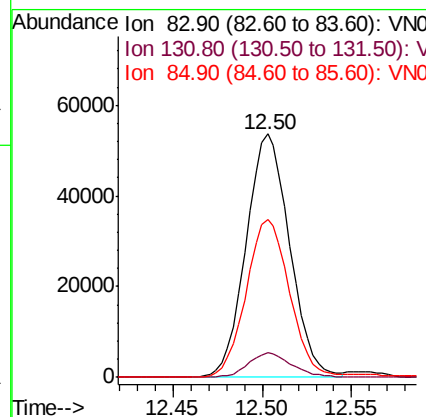
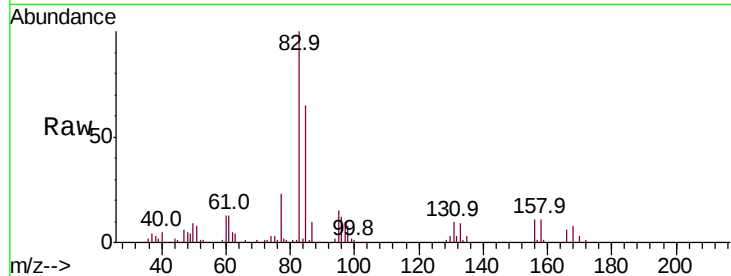
ClientSampleId :

VN0501WBS01

Tot Ion:	83	Resp:	91756
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.2
85	64.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.361 ug/l m

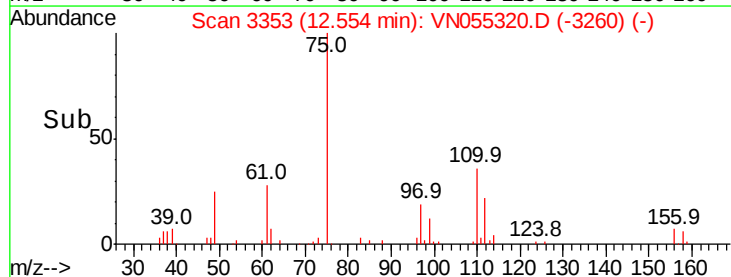
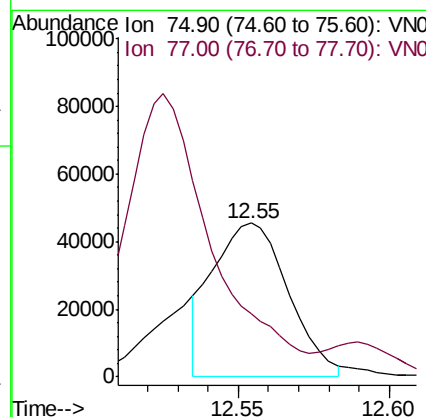
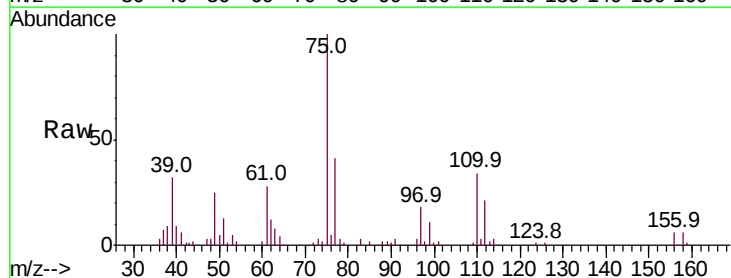
RT: 12.55 min Scan# 3353

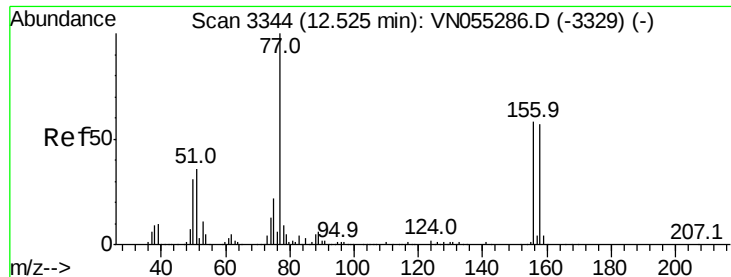
Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Tgt Ion:	75	Resp:	79218
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.321 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

ClientSampled :

VN0501WBS01

Tot Ion:156 Resp: 84129

Ion Ratio Lower Upper

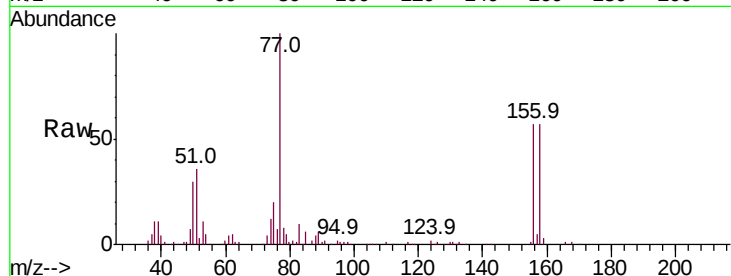
156 100

77 199.7 99.6 298.8

158 96.6 49.3 147.8

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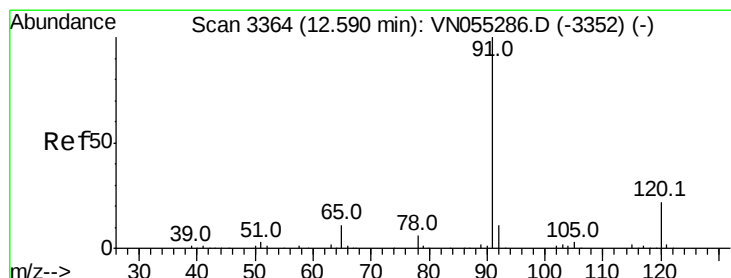
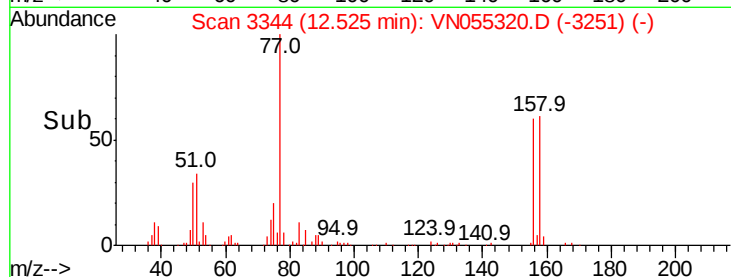
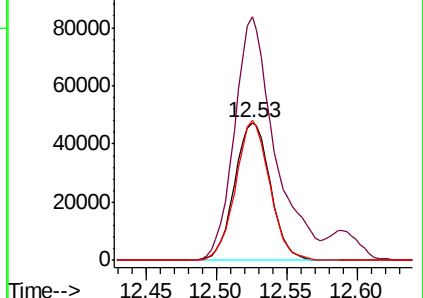
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.381 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055320.D

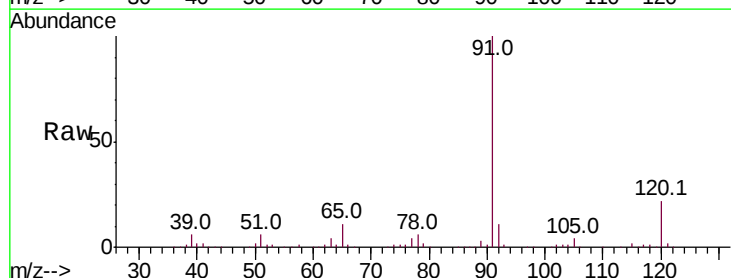
Acq: 1 May 2019 11:20

Tgt Ion: 91 Resp: 384956

Ion Ratio Lower Upper

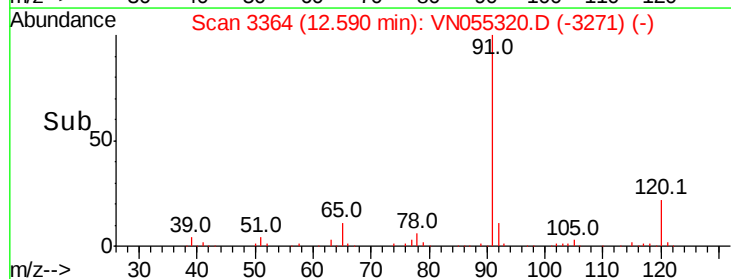
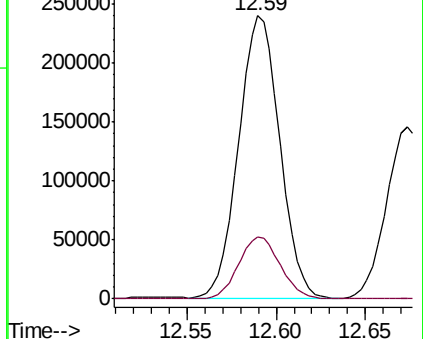
91 100

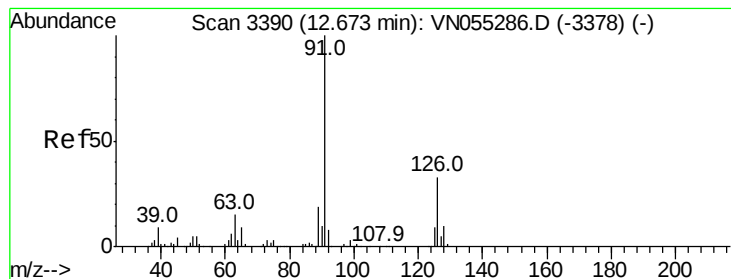
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.637 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

Tot Ion: 91 Resp: 245309

Ion Ratio Lower Upper

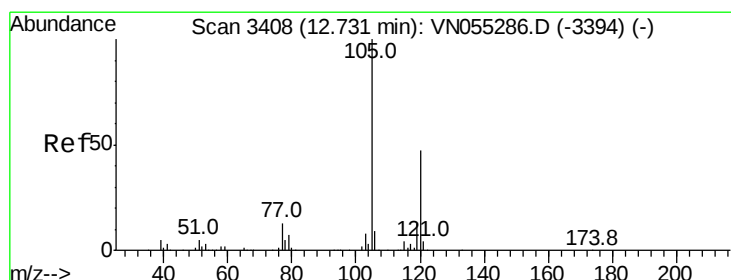
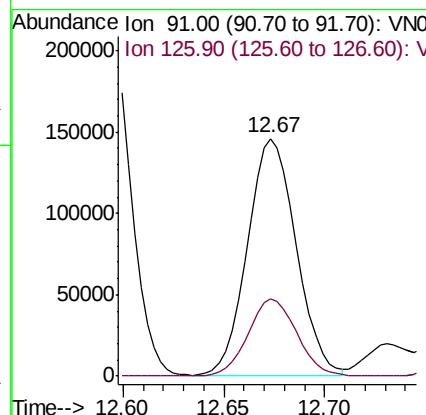
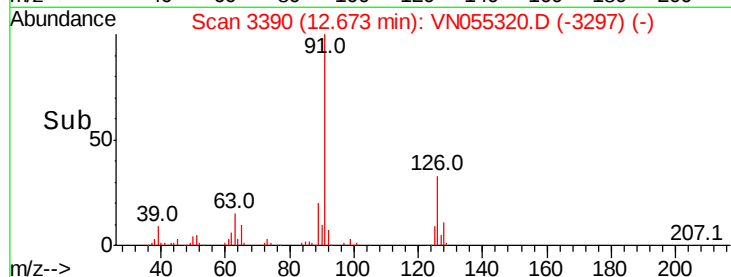
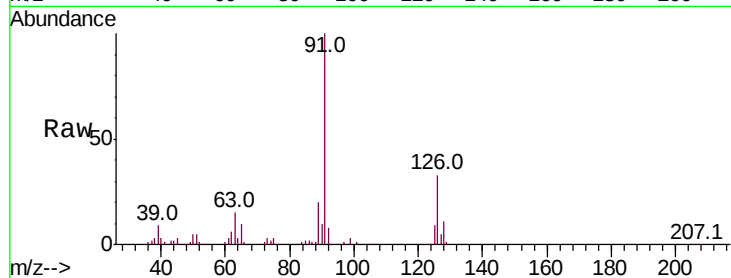
91 100

126 32.9 16.6 49.7

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#80

1,3,5-Trimethylbenzene

Concen: 18.192 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055320.D

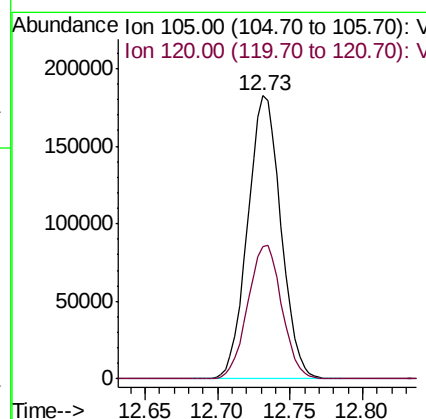
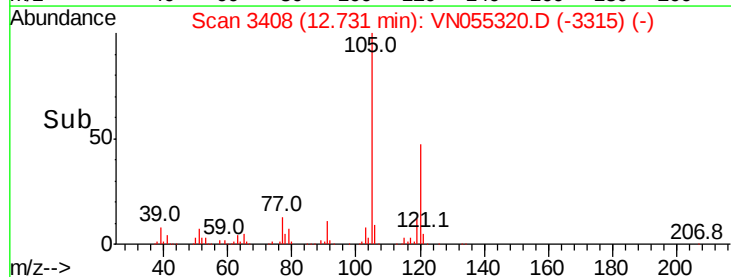
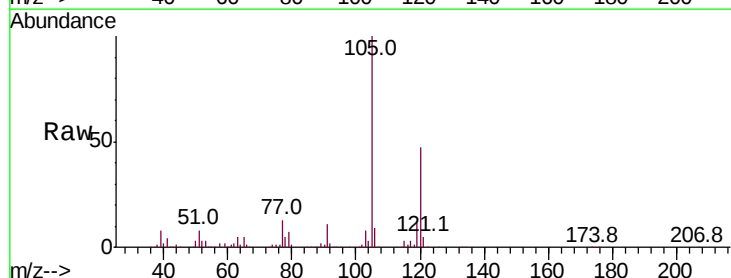
Acq: 1 May 2019 11:20

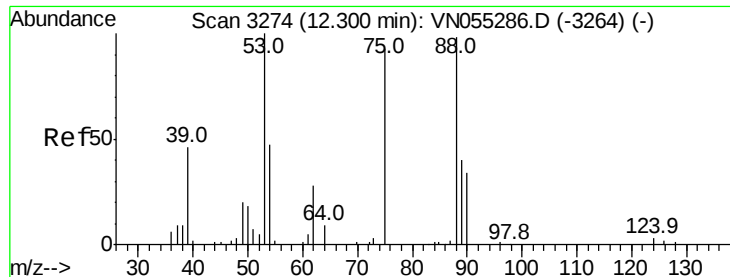
Tgt Ion:105 Resp: 290783

Ion Ratio Lower Upper

105 100

120 48.4 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.786 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

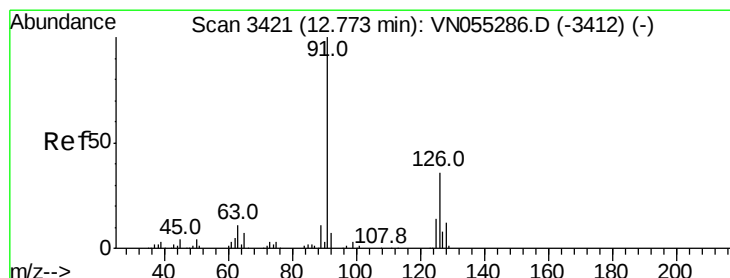
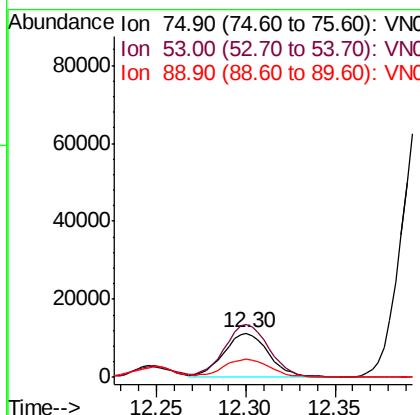
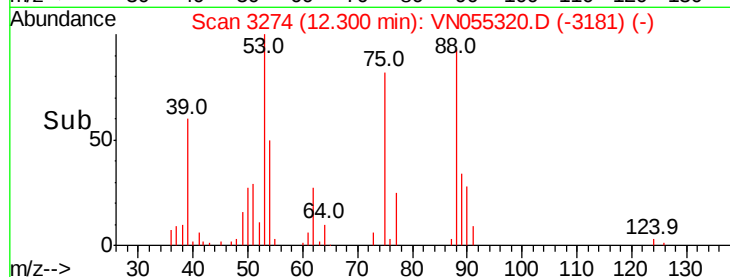
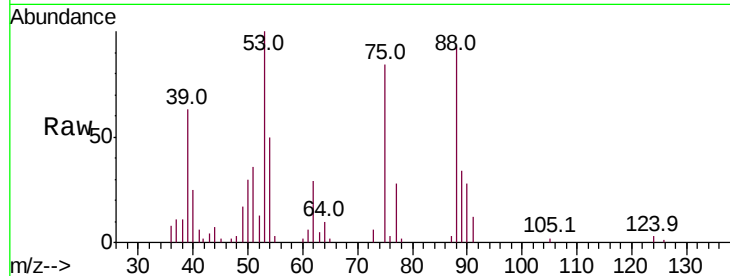
ClientSampleId :

VN0501WBS01

Tot Ion:	75	Resp:	20211
Ion	Ratio	Lower	Upper
75	100		
53	118.7	86.3	129.5
89	41.9	34.6	51.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.442 ug/l

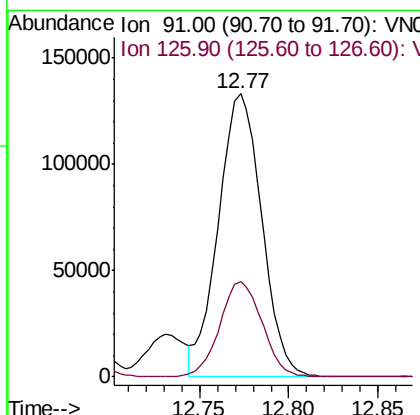
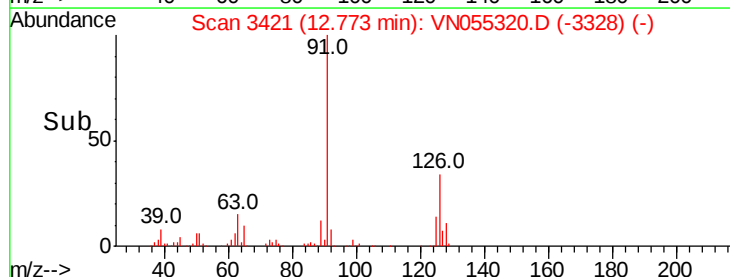
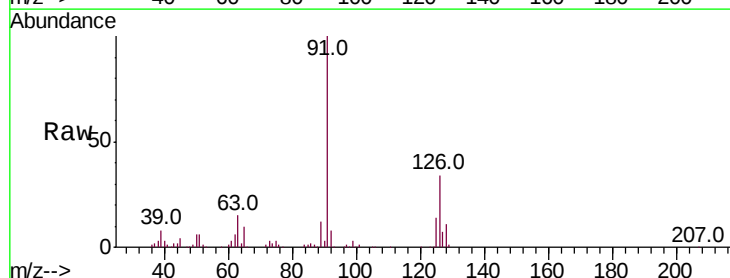
RT: 12.77 min Scan# 3421

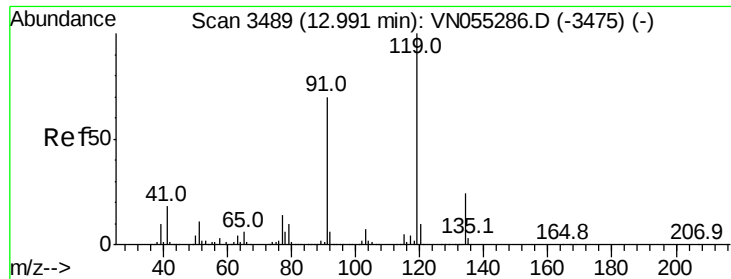
Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Tgt Ion:	91	Resp:	224570
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7





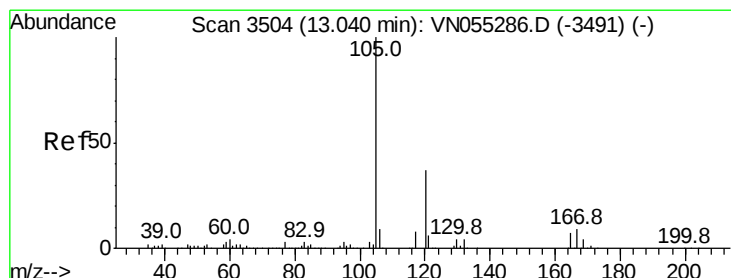
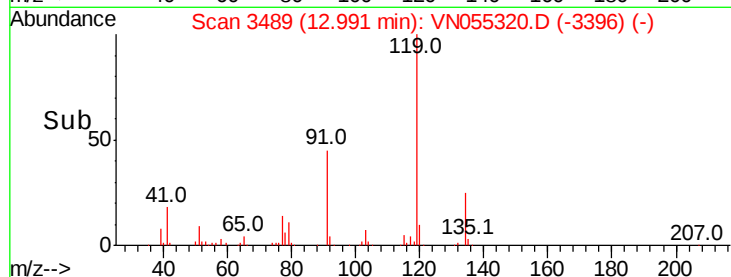
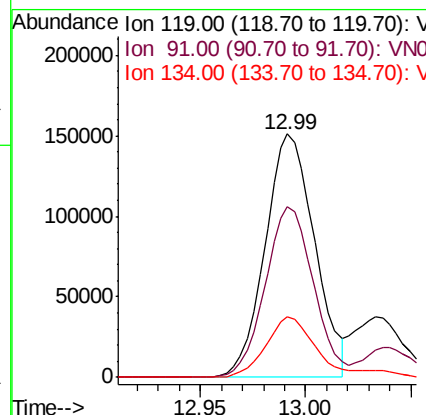
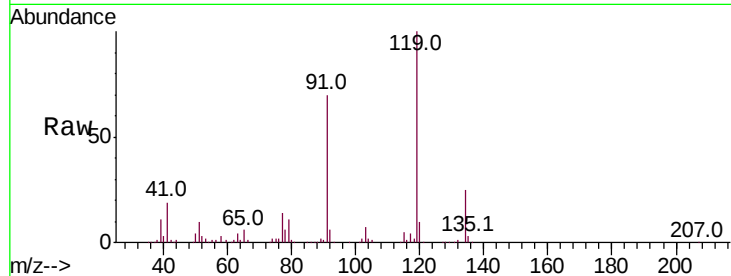
#83
tert-Butylbenzene
Concen: 20.105 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.3	102.9
134	24.4	13.1	39.3

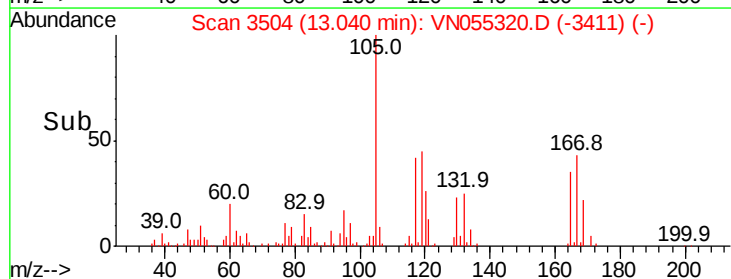
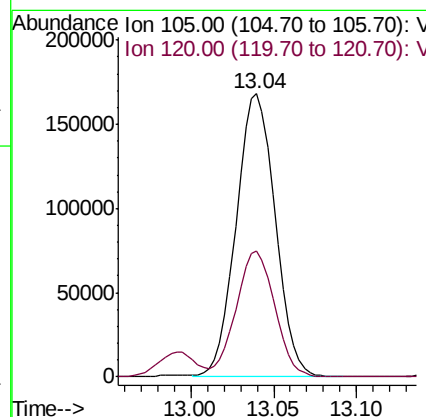
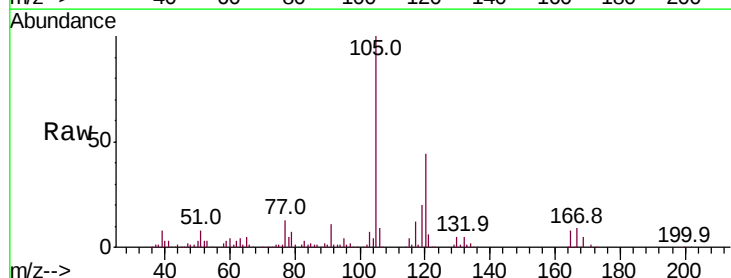
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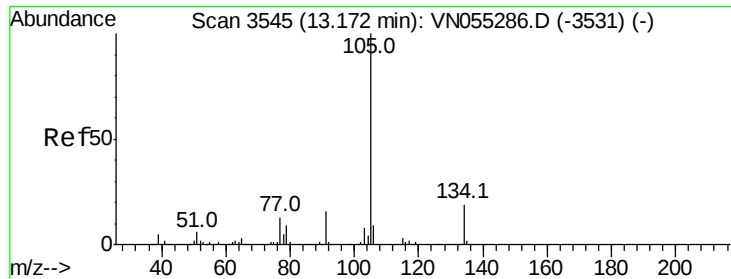
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.238 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.5





#85

sec-Butylbenzene

Concen: 18.369 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

Tot Ion:105 Resp: 319128

Ion Ratio Lower Upper

105 100

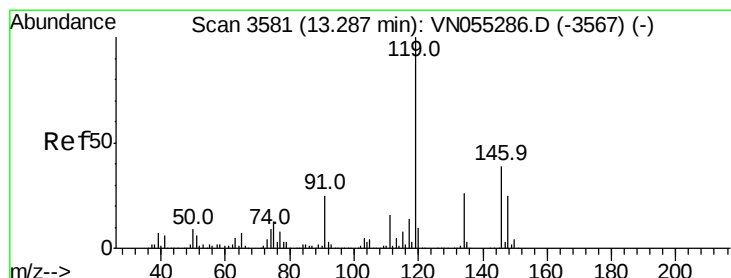
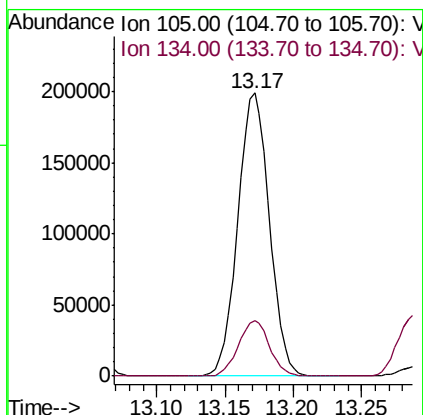
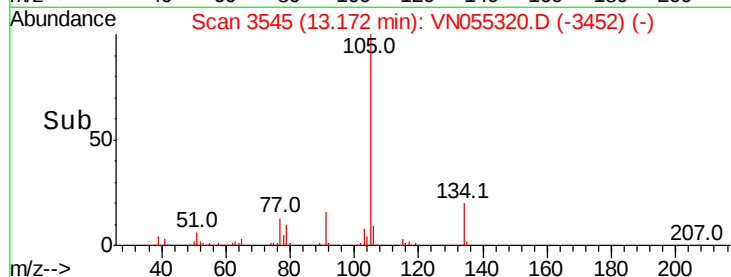
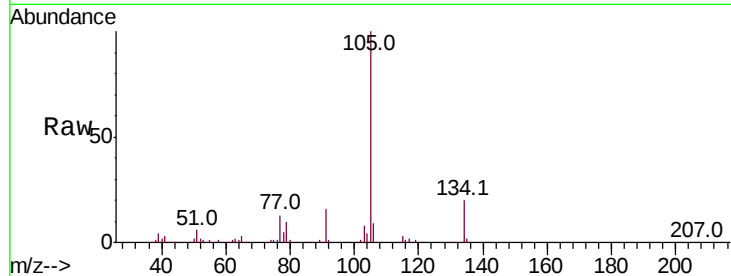
134 19.3 9.6 28.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.985 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

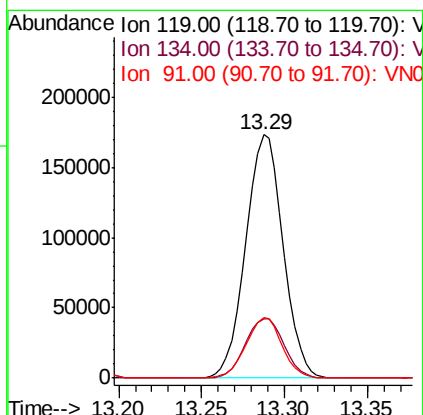
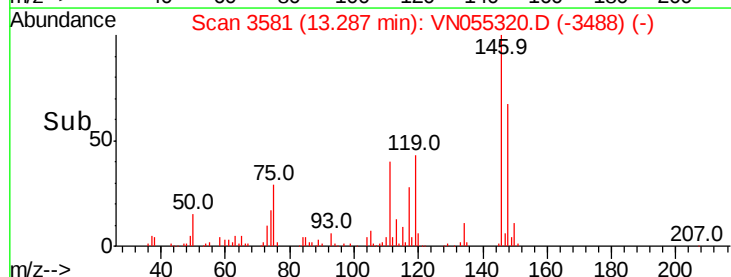
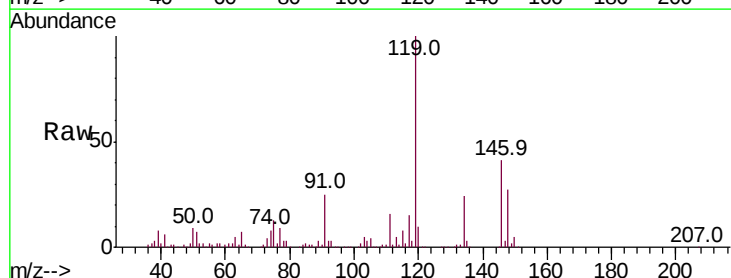
Tgt Ion:119 Resp: 271085

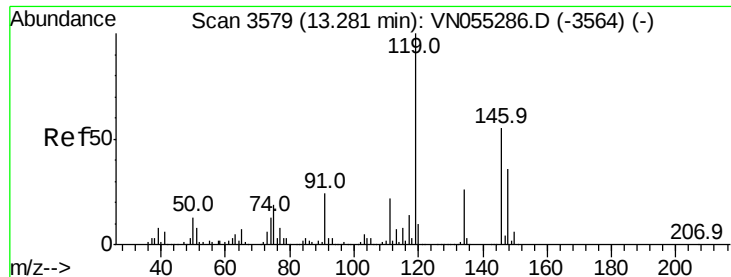
Ion Ratio Lower Upper

119 100

134 25.4 13.0 38.9

91 23.9 12.2 36.6





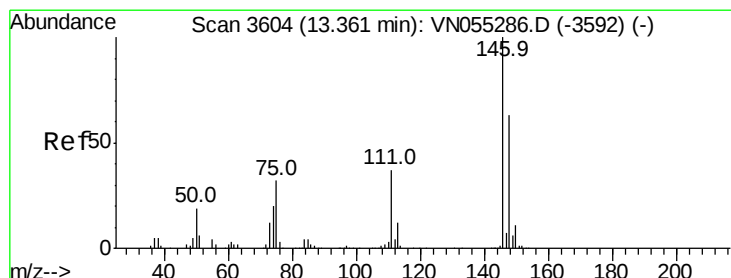
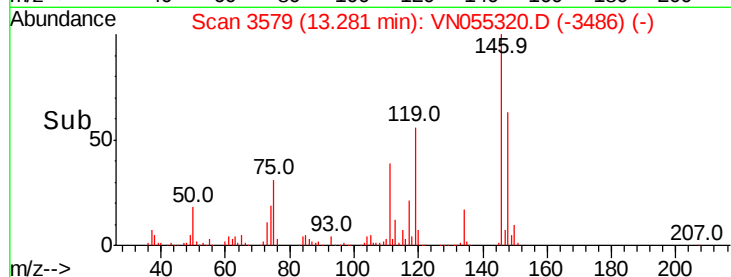
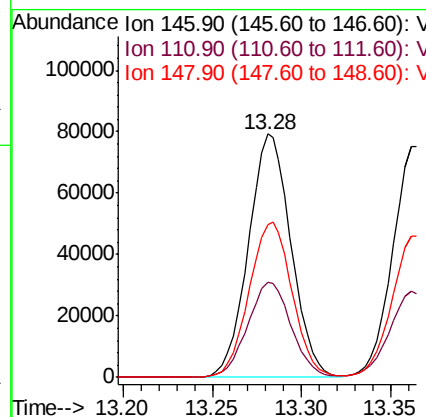
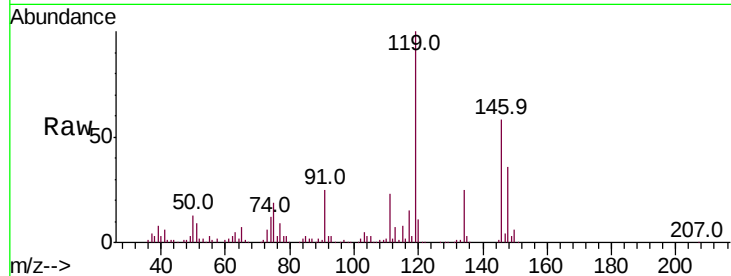
#87
 1,3-Dichlorobenzene
 Concen: 19.396 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	132330		
111	40.1	20.3	60.8	
148	64.4	32.5	97.5	

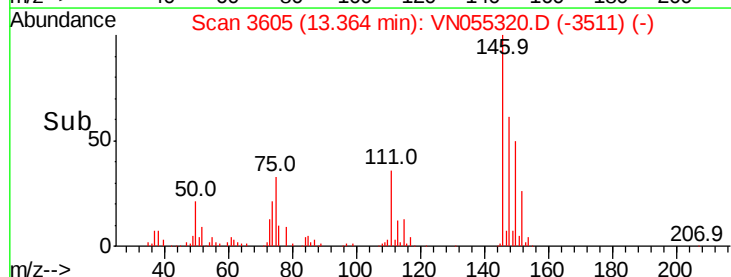
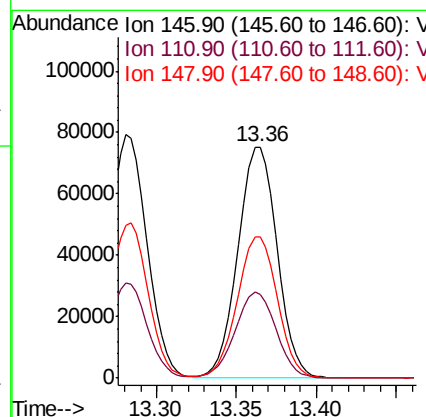
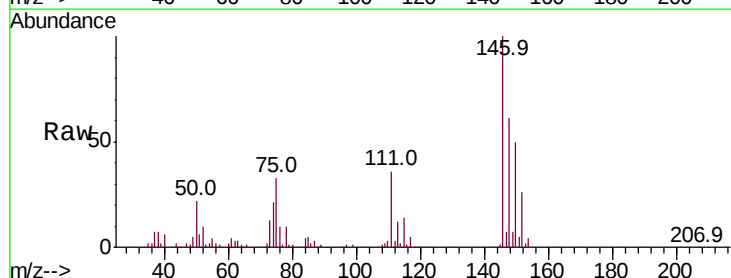
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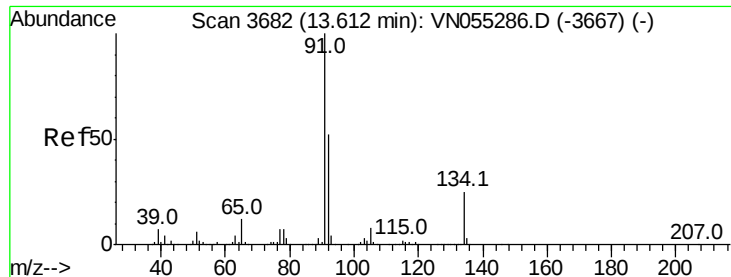
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#88
 1,4-Dichlorobenzene
 Concen: 19.650 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	126247		
111	38.8	19.5	58.5	
148	62.6	32.5	97.4	





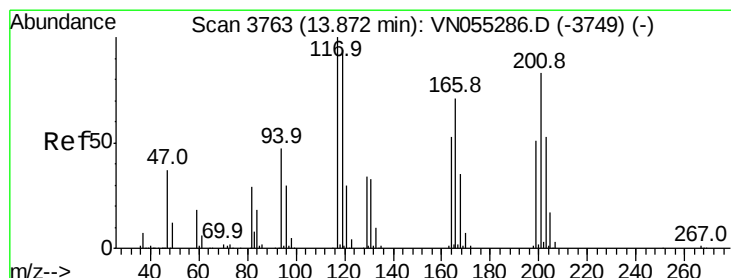
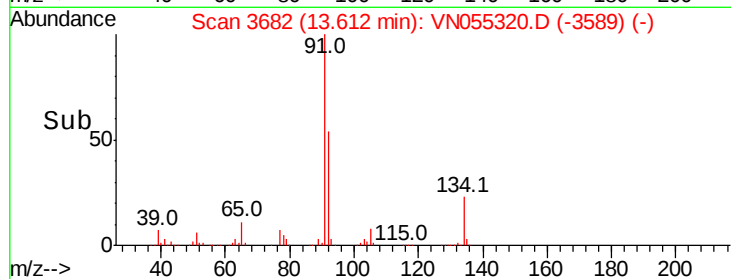
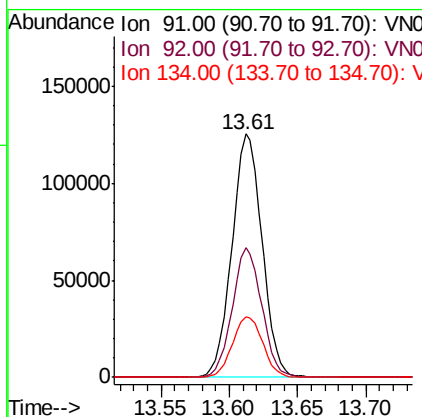
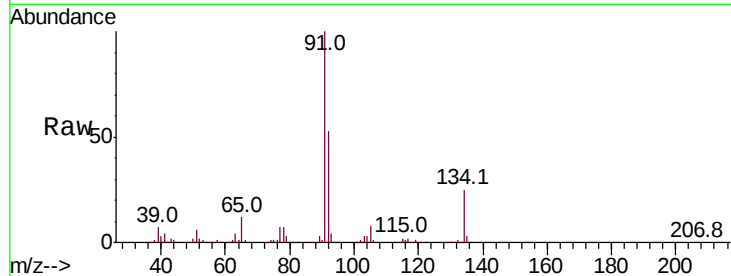
#89
n-Butylbenzene
Concen: 18.943 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.3
134	25.0	12.4	37.4

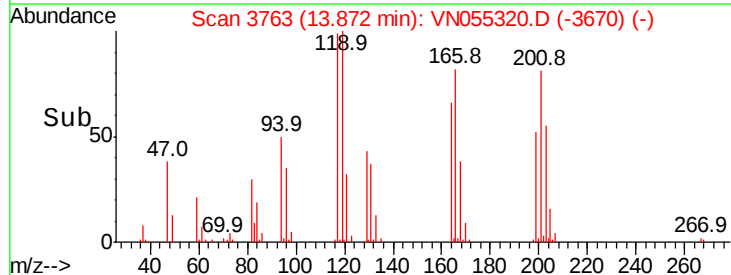
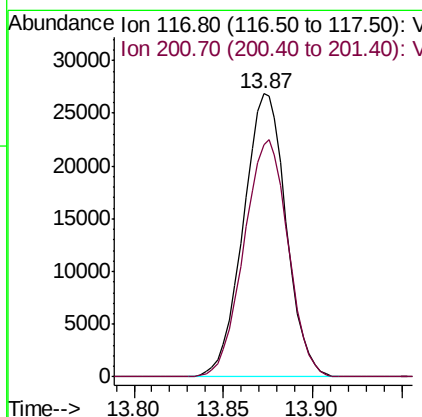
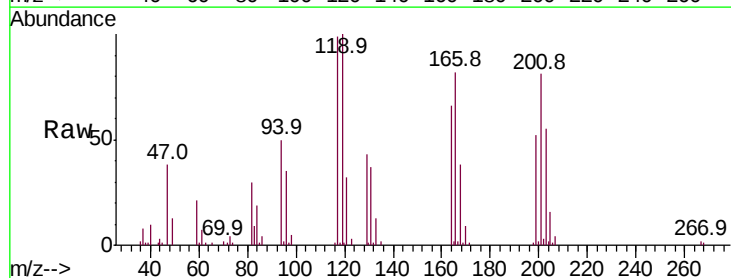
Manual Integrations
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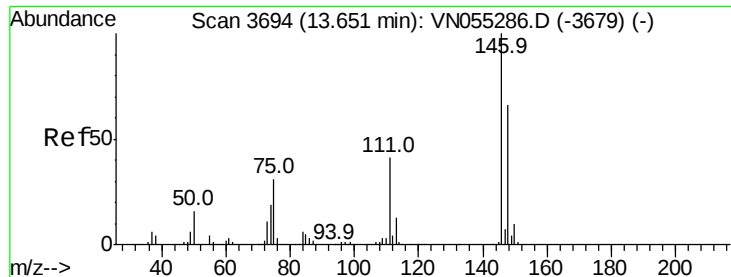
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#90
Hexachloroethane
Concen: 18.959 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055320.D
Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	41.9	125.8





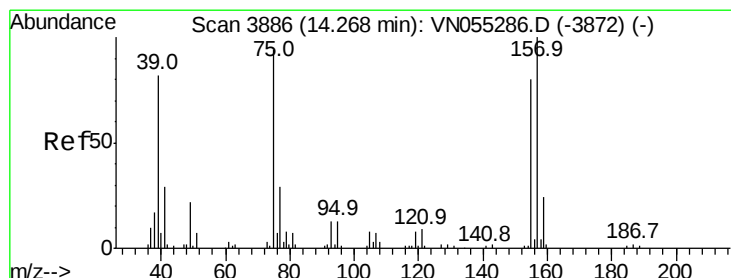
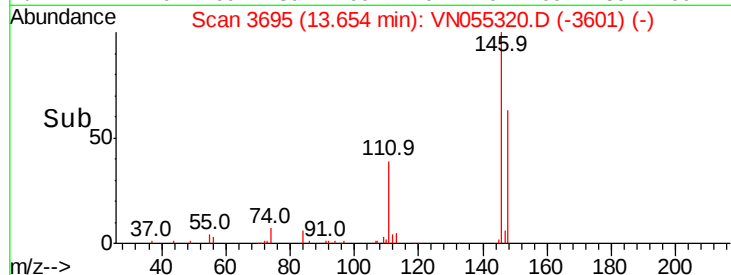
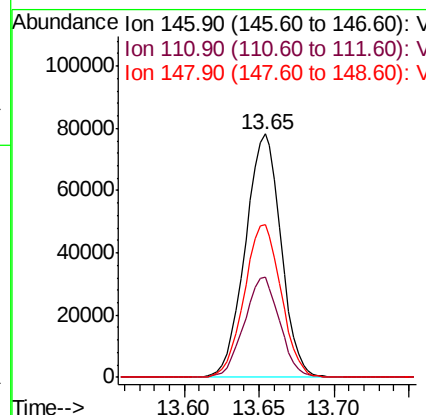
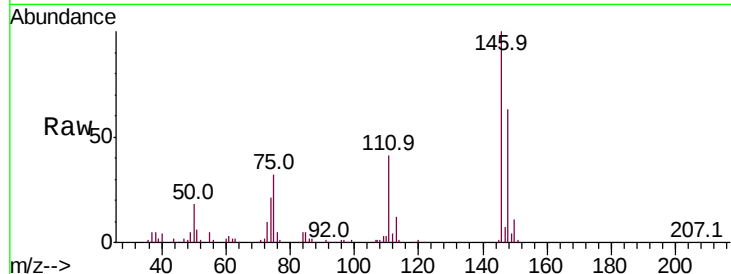
#91
 1,2-Dichlorobenzene
 Concen: 19.216 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Instrument :
 MSVOA_N
 ClientSampled :
 VN0501WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	61.0
148	64.5	32.4	97.2

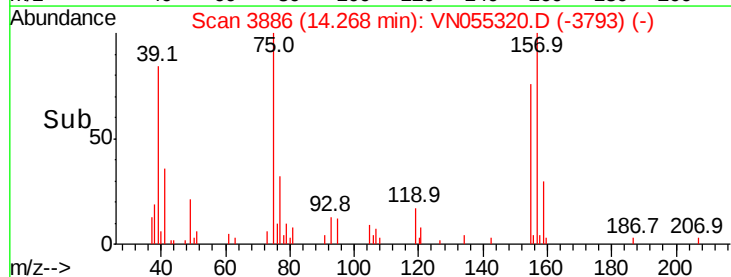
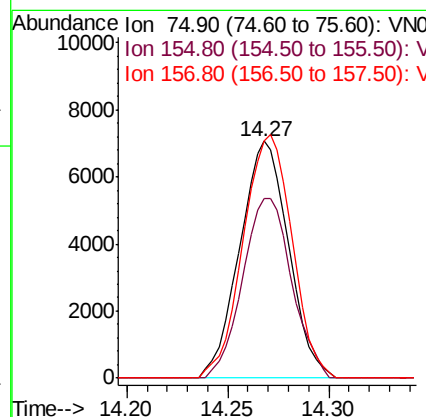
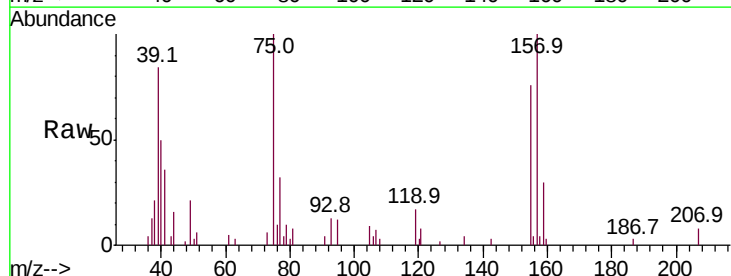
Manual Integrations
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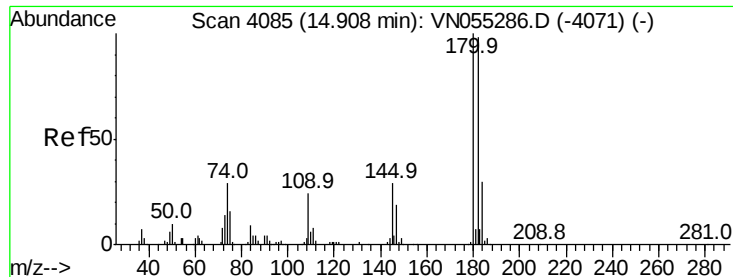
MMDadoda
 5/2/2019 9:34:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.300 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.3	41.5	124.6
157	102.9	54.0	162.2





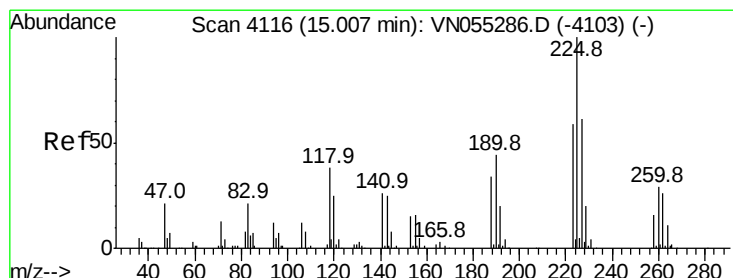
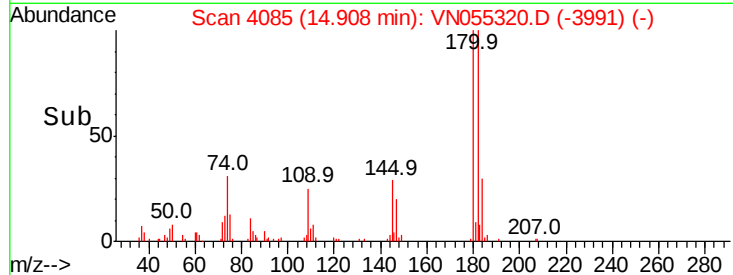
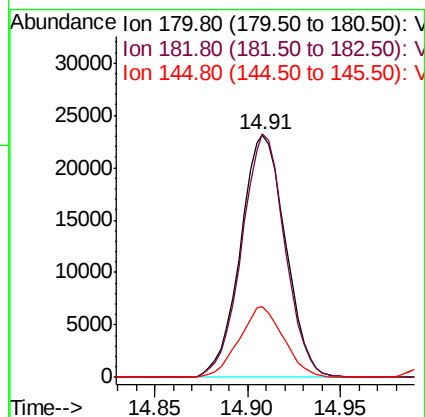
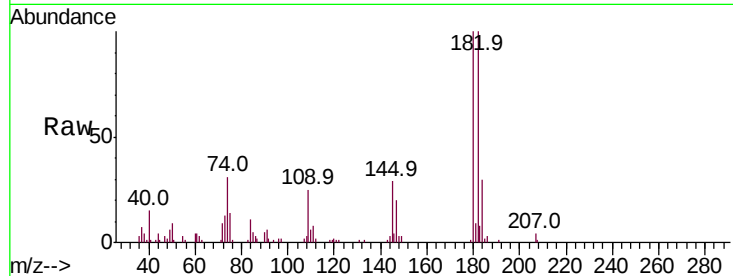
#93
 1,2,4-Trichlorobenzene
 Concen: 16.957 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	48.3	144.9	
145	28.7	14.2	42.6	

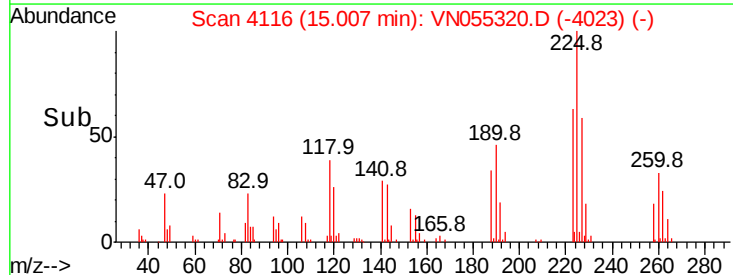
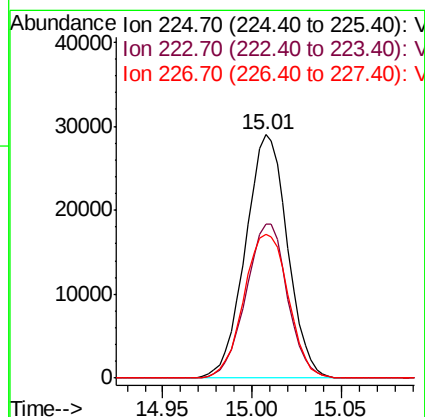
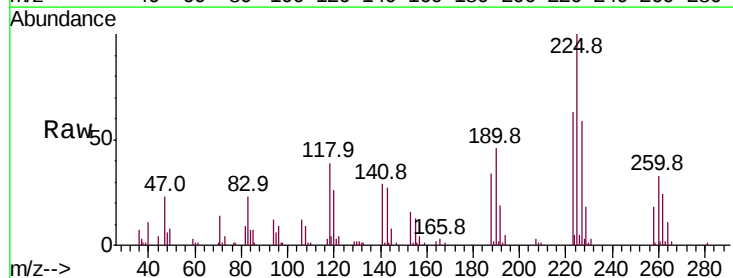
Manual Integrations
 APPROVED

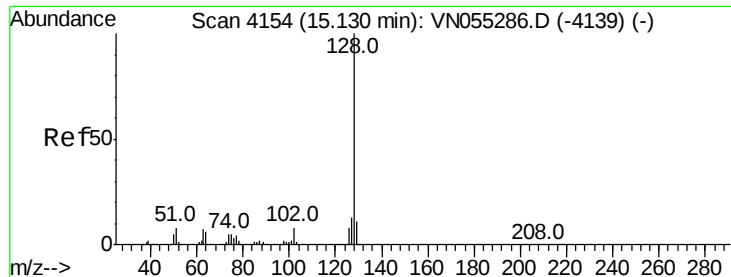
MMDadoda
 5/2/2019 9:34:06 AM



#94
 Hexachlorobutadiene
 Concen: 21.858 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055320.D
 Acq: 1 May 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	30.3	90.8	
227	62.4	30.9	92.7	





#95

Naphthalene

Concen: 16.626 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Instrument :

MSVOA_N

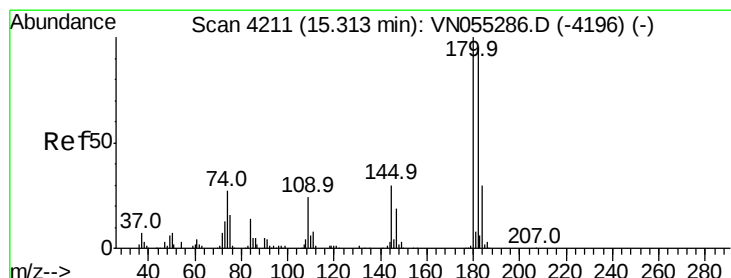
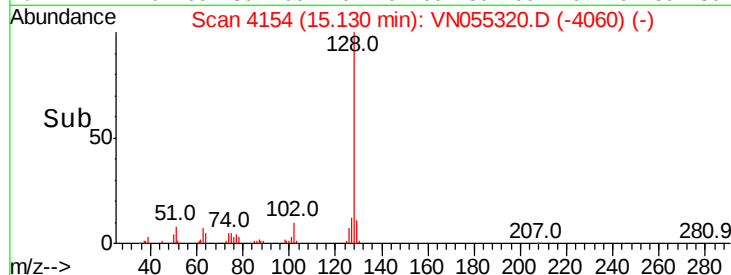
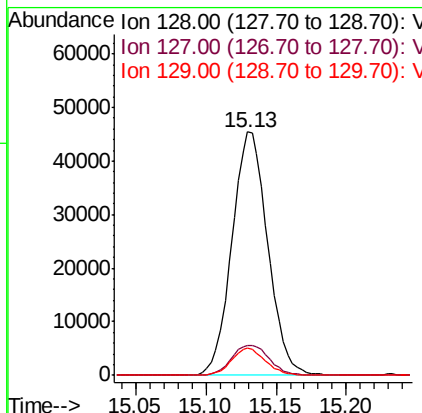
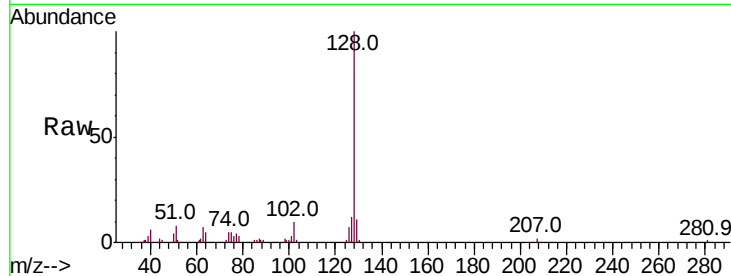
ClientSampleId :

VN0501WBS01

Tot Ion:	128	Resp:	80730
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	10.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/2/2019 9:34:06 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.722 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055320.D

Acq: 1 May 2019 11:20

Tgt Ion:	180	Resp:	41853
Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.3	144.9
145	30.3	15.2	45.6

