

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010419\
 Data File : VN053283.D
 Acq On : 4 Jan 2019 15:46
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 11:10:06 AM

Quant Time: Jan 05 00:21:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	138792	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	793817	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	718280	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	267439	30.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.10%
60) 4-Bromofluorobenzene	12.40	95	336612	30.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.10%
63) Toluene-d8	10.09	98	965745	29.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	193348	20.908	ug/l 100
3) Chloromethane	2.06	50	219328	20.208	ug/l 99
4) Vinyl Chloride	2.19	62	211865	19.837	ug/l 98
5) Bromomethane	2.58	94	114591	16.641	ug/l 98
6) Chloroethane	2.71	64	121261	19.710	ug/l 99
7) Trichlorofluoromethane	3.03	101	271880	20.613	ug/l 99
8) Diethyl Ether	3.41	74	99047	20.213	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	170616	20.589	ug/l 97
10) 1,1-Dichloroethene	3.74	96	158022	19.540	ug/l 96
11) Methyl Iodide	3.96	142	186107	15.714	ug/l 100
12) Methyl Acetate	4.33	43	141991	22.527	ug/l 94
13) Acrolein	3.61	56	59514	79.082	ug/l 99
14) Acrylonitrile	4.99	53	315539	111.899	ug/l 98
15) Acetone	3.82	58	73472	122.597	ug/l 92
16) Carbon Disulfide	4.06	76	480505	19.314	ug/l 99
17) Allyl chloride	4.33	41	234922	18.466	ug/l 98
18) Methylene Chloride	4.55	84	184165	19.898	ug/l 94
19) trans-1,2-Dichloroethene	5.04	96	168084	19.667	ug/l 91
20) Diisopropyl ether	5.95	45	552175	20.267	ug/l 99
21) 1,1-Dichloroethane	5.85	63	318561	20.081	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	195177	20.273	ug/l 95
23) tert-Butyl Alcohol	4.77	59	55172	116.063	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	439127	20.824	ug/l 96
25) Chloroform	7.37	83	308335	20.221	ug/l 97
26) Cyclohexane	7.66	56	294539	19.907	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	244452	20.330	ug/l 99
30) 2-Butanone	6.83	43	350157	116.723	ug/l 97
31) 2,2-Dichloropropane	6.83	77	197807	16.993	ug/l 96
32) 1,1,1-Trichloroethane	7.57	97	258552	20.523	ug/l 97
33) Carbon Tetrachloride	7.77	117	225610	20.458	ug/l 98
34) Benzene	8.04	78	734763	20.333	ug/l 97
35) Methacrylonitrile	7.17	41	91151	23.547	ug/l 95
36) 1,2-Dichloroethane	8.12	62	218753	20.852	ug/l 98
37) Trichloroethene	8.83	130	201452	20.578	ug/l 94
38) Methylcyclohexane	9.08	83	283700	20.172	ug/l 97
39) 1,2-Dichloropropane	9.12	63	193257	20.480	ug/l 98
40) Dibromomethane	9.21	93	113929	21.349	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	234501	20.462	ug/l	98
42) Vinyl Acetate	5.90	43	1748958	106.863	ug/l	97
43) Ethyl Acetate	6.93	43	151950	22.681	ug/l #	65
44) Isopropyl Acetate	8.16	43	274852	22.024	ug/l #	78
45) 1,4-Dioxane	9.20	88	33553	439.673	ug/l	95
46) Methyl methacrylate	9.20	41	136899	21.714	ug/l	95
47) n-amyl Acetate	12.07	43	256449	23.399	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	230077	19.670	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	273594	19.864	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	164072	21.443	ug/l	98
51) Ethyl methacrylate	10.43	69	213397	21.399	ug/l	92
52) 1,3-Dichloropropane	10.71	76	281173	21.332	ug/l	99
53) Dibromochloromethane	10.90	129	179446	20.881	ug/l	99
54) 1,2-Dibromoethane	11.00	107	163331	21.160	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	611488	106.847	ug/l	99
56) Bromoform	12.13	173	124655	21.204	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	798072	116.601	ug/l	98
59) 2-Hexanone	10.75	43	541338	114.565	ug/l	97
61) Tetrachloroethene	10.63	164	222590	20.970	ug/l	96
62) Toluene	10.16	91	804419	20.420	ug/l	100
64) Chlorobenzene	11.43	112	507487	20.530	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	178297	20.562	ug/l	98
66) Ethyl Benzene	11.51	91	870164	20.370	ug/l	99
67) m/p-Xylenes	11.62	106	670861	41.523	ug/l	98
68) o-Xylene	11.95	106	320553	20.475	ug/l	99
69) Styrene	11.96	104	531134	20.784	ug/l	99
70) Isopropylbenzene	12.25	105	851387	20.669	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	188322	21.718	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	164494m	21.663	ug/l	
73) Bromobenzene	12.53	156	221253	20.896	ug/l	94
74) n-propylbenzene	12.59	91	991148	21.256	ug/l	98
75) 2-Chlorotoluene	12.67	91	580034	21.004	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	697304	21.340	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	51862	19.438	ug/l	95
78) 4-Chlorotoluene	12.77	91	595357	21.179	ug/l	99
79) tert-butylbenzene	12.99	119	603716	21.185	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	704994	21.527	ug/l	99
81) sec-Butylbenzene	13.17	105	816144	21.628	ug/l	100
82) p-Isopropyltoluene	13.29	119	708182	21.718	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	393116	21.805	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	385317	21.925	ug/l	98
85) n-Butylbenzene	13.62	91	579020	21.835	ug/l	99
86) Hexachloroethane	13.88	117	106595	20.474	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	370376	22.109	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23011	18.556	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	112263	13.807	ug/l	100
90) Hexachlorobutadiene	15.01	225	95721	19.449	ug/l	99
91) Naphthalene	15.13	128	179572	10.409	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	68781	9.482	ug/l	98

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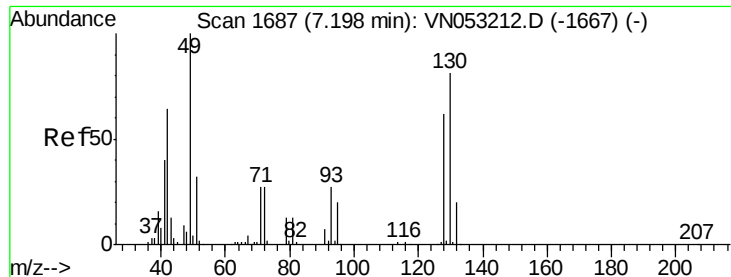
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053283.D

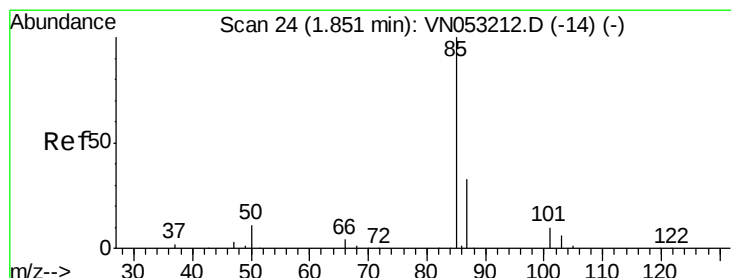
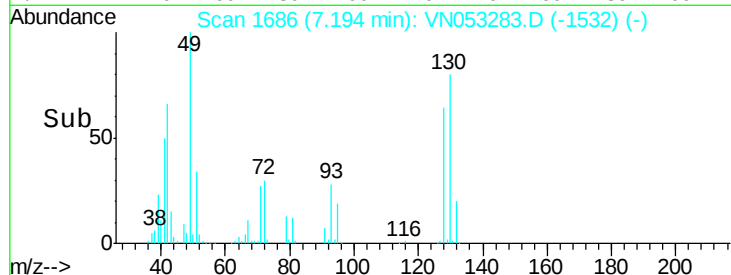
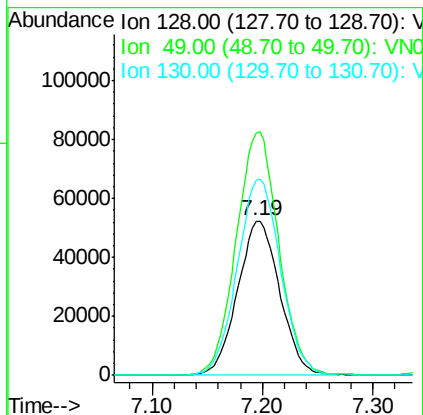
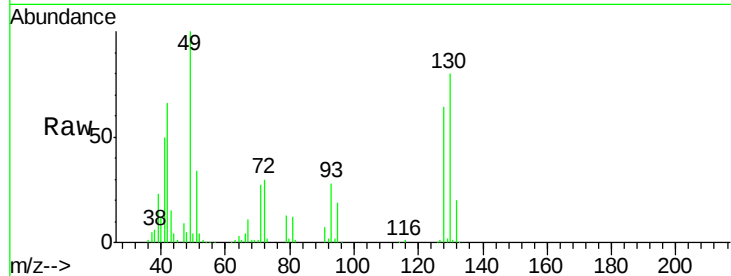
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
128	100		
49	159.7	0.0	431.8
130	130.5	0.0	317.0

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#2

Dichlorodifluoromethane

Concen: 20.908 ug/l

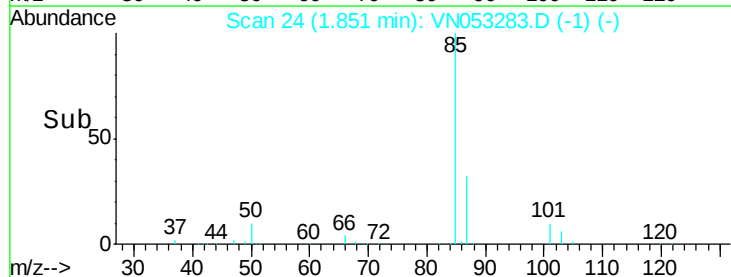
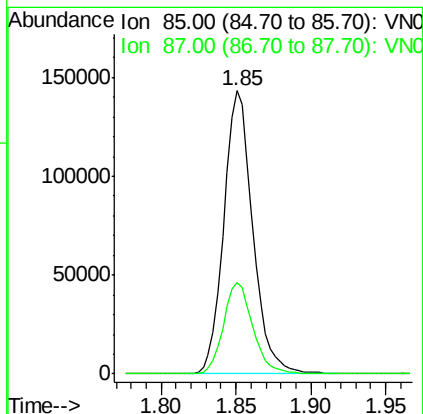
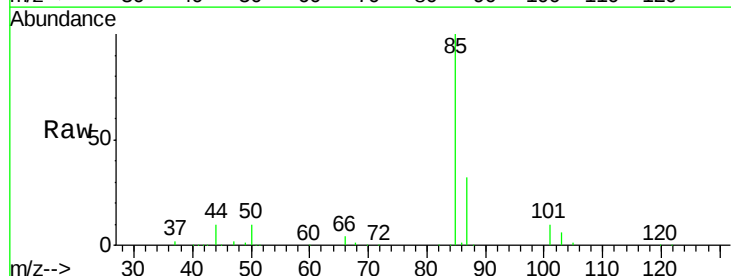
RT: 1.85 min Scan# 24

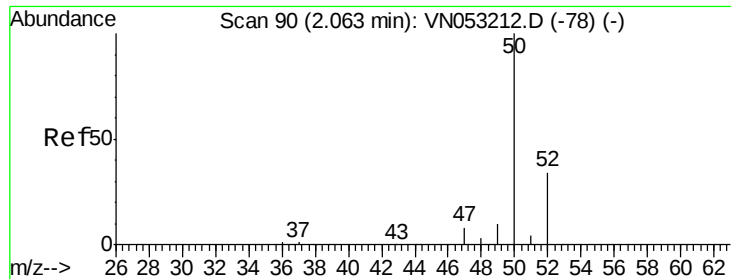
Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.1	48.3





#3

Chloromethane

Concen: 20.208 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 219328

Ion Ratio Lower Upper

50 100

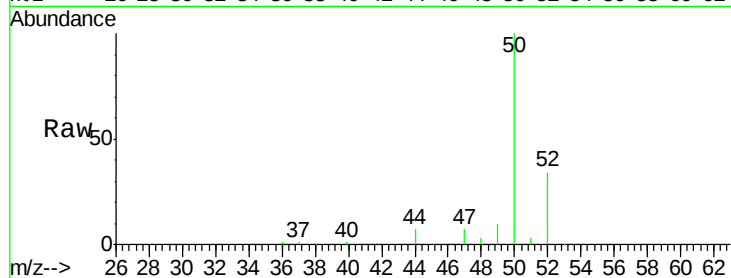
52 33.6 26.5 39.7

Manual Integrations

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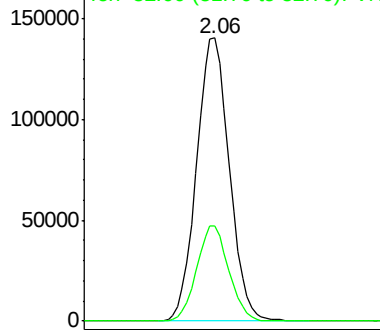
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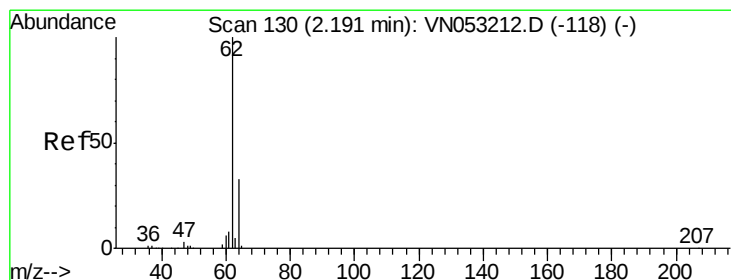
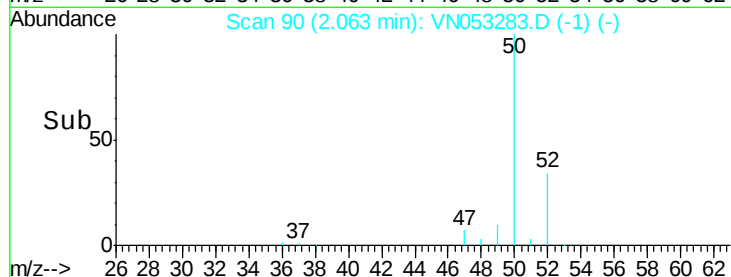


Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



Time-->



#4

Vinyl Chloride

Concen: 19.837 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053283.D

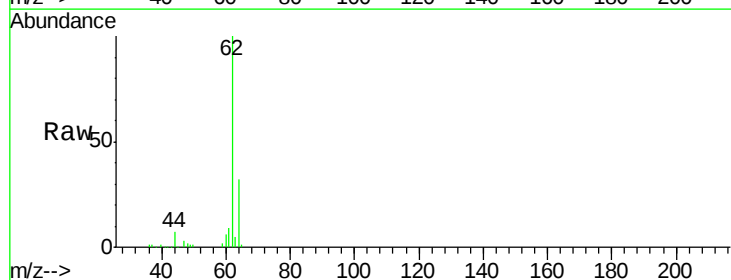
Acq: 4 Jan 2019 15:46

Tgt Ion: 62 Resp: 211865

Ion Ratio Lower Upper

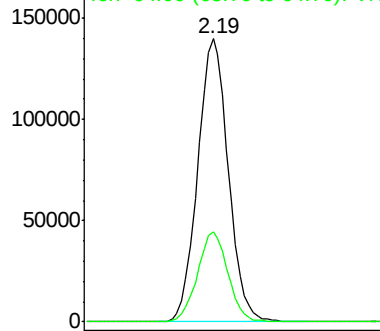
62 100

64 31.6 24.2 36.4

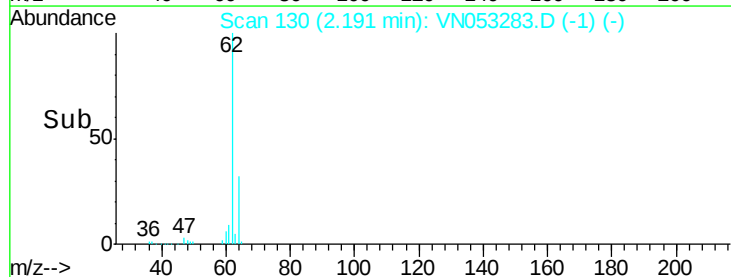


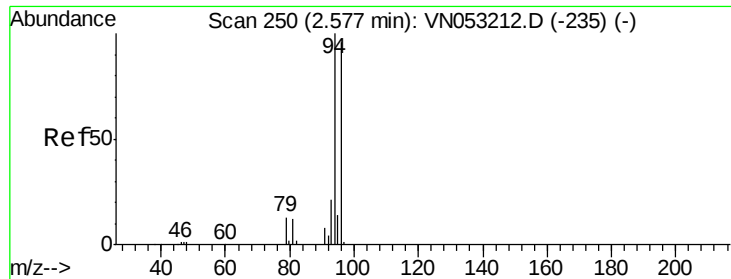
Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0



Time-->





#5

Bromomethane

Concen: 16.641 ug/l

RT: 2.58 min Scan# 250

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

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VSTDCCC020EC

Tot Ion: 94 Resp: 114591

Ion Ratio Lower Upper

94 100

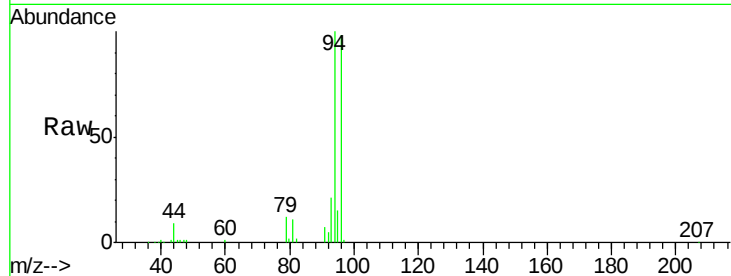
96 97.5 76.2 114.2

Manual Integrations

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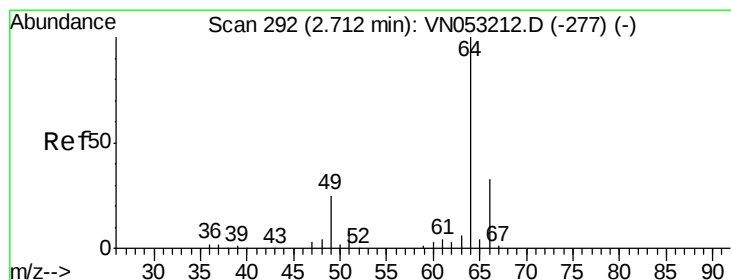
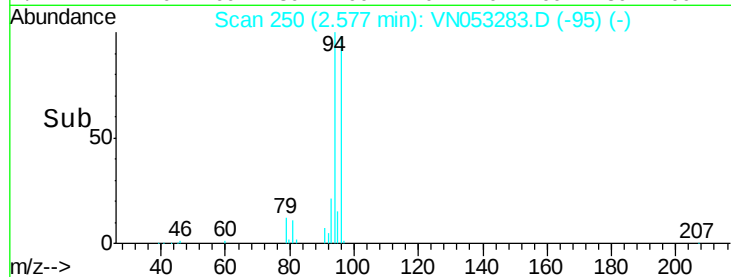
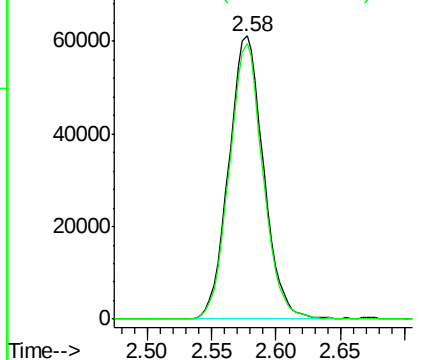
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 19.710 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053283.D

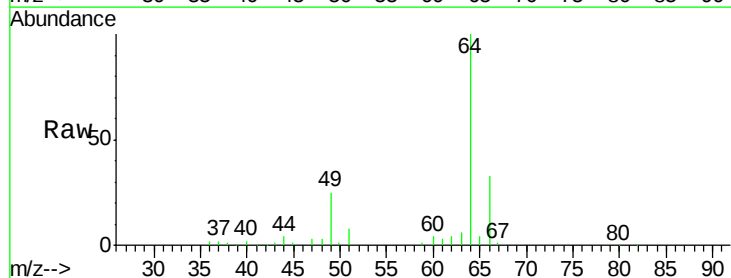
Acq: 4 Jan 2019 15:46

Tgt Ion: 64 Resp: 121261

Ion Ratio Lower Upper

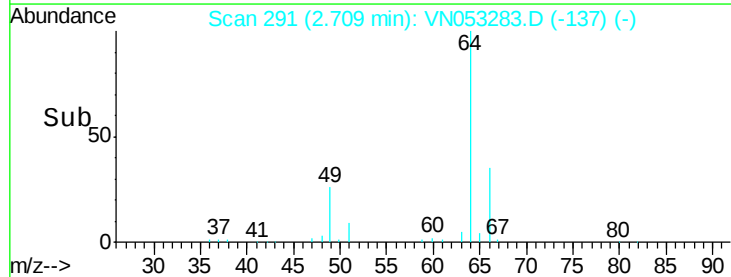
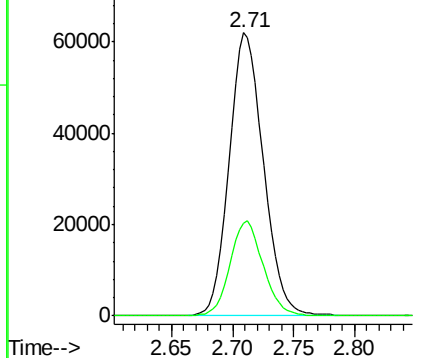
64 100

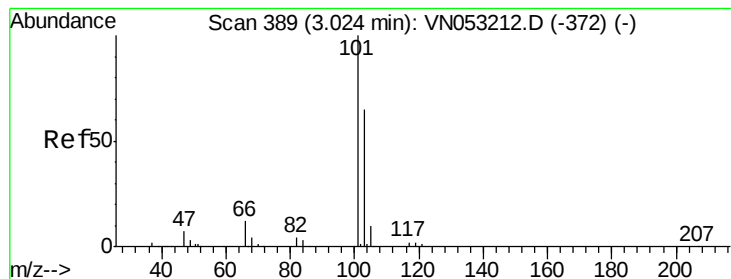
66 32.7 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





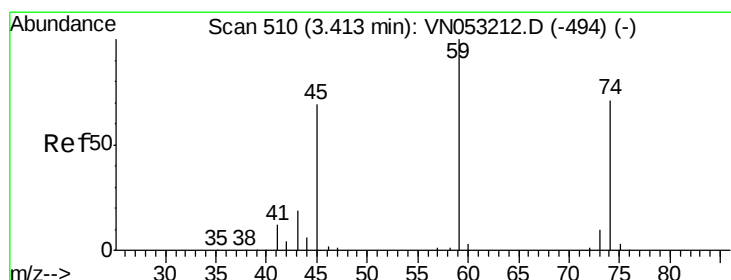
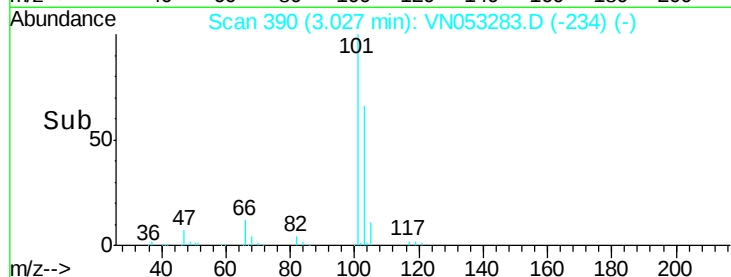
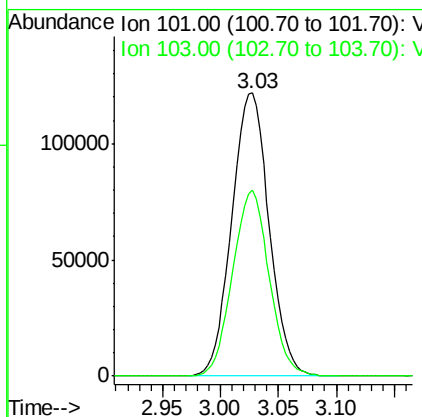
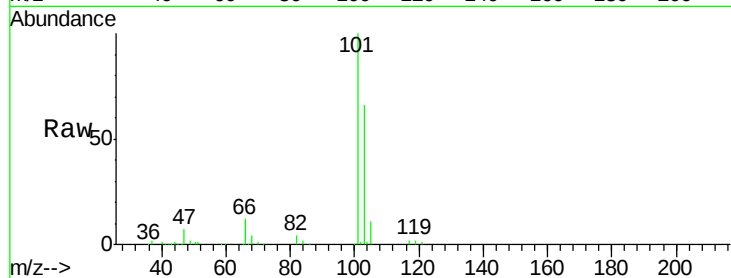
#7
 Trichlorofluoromethane
 Concen: 20.613 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

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 VSTDCCC020EC

Tot Ion:101 Resp: 271880
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.1 78.1

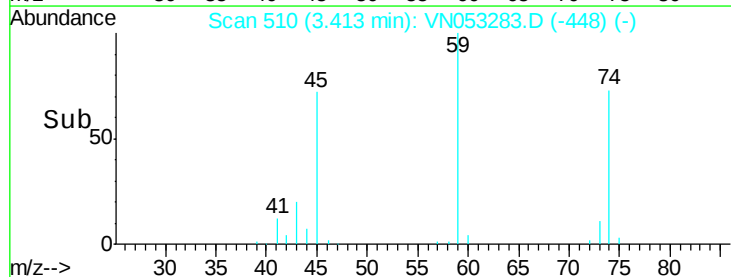
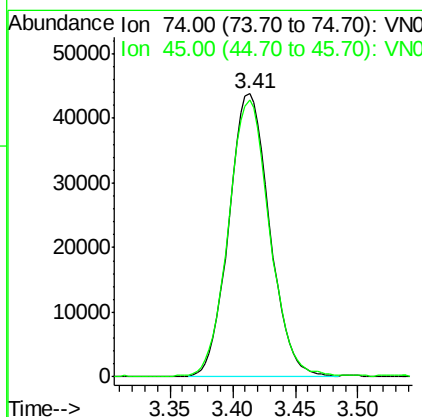
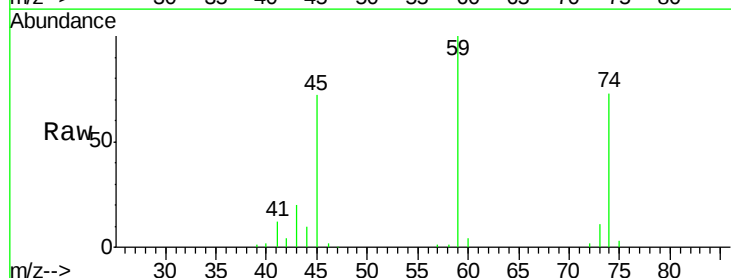
Manual Integrations
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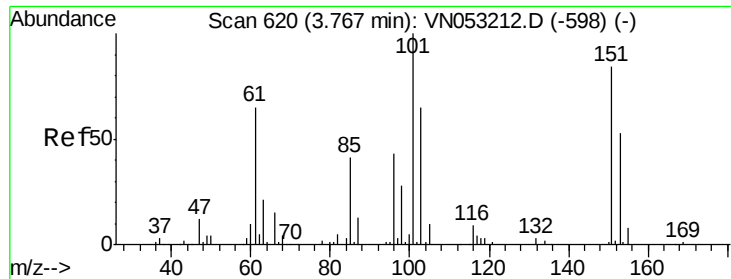
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 1/7/2019 11:10:06 AM



#8
 Diethyl Ether
 Concen: 20.213 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion: 74 Resp: 99047
 Ion Ratio Lower Upper
 74 100
 45 98.5 20.6 185.8





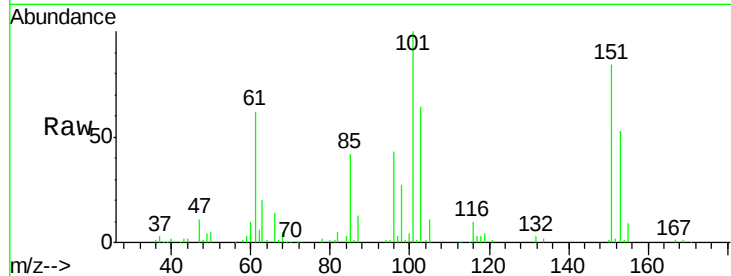
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.589 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: VN053283.D
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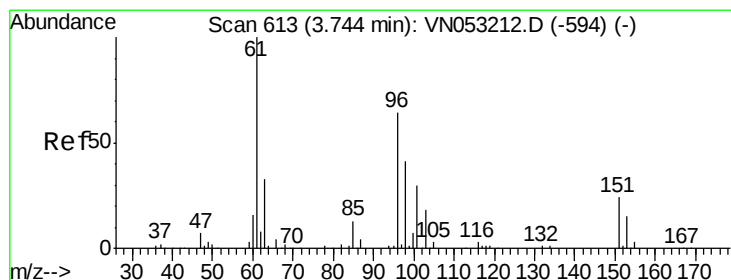
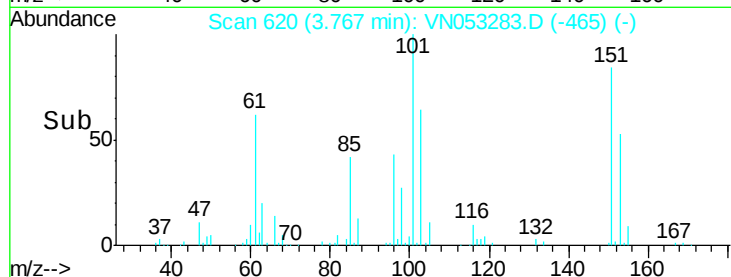
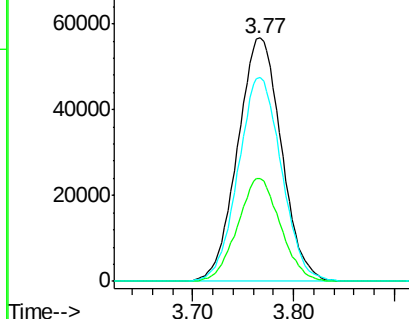
Tot Ion	Ratio	Resp	Lower	Upper
101	100	170616		
85	41.3	0.0	82.6	
151	83.0	0.0	158.4	

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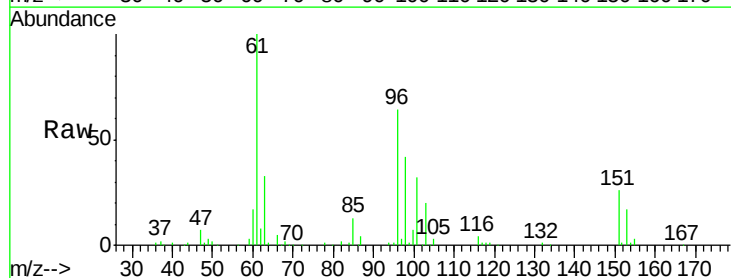


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VNO
 Ion 151.00 (150.70 to 151.70): V

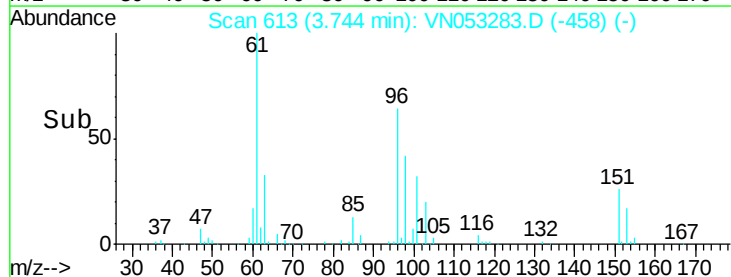
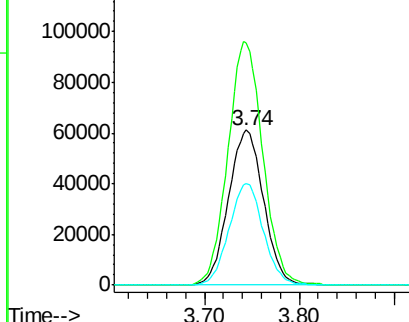


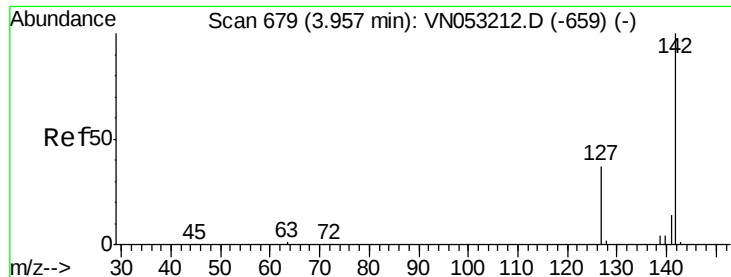
#10
 1,1-Dichloroethene
 Concen: 19.540 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	158022		
61	156.6	129.4	194.2	
98	65.9	50.4	75.6	



Abundance Ion 96.00 (95.70 to 96.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





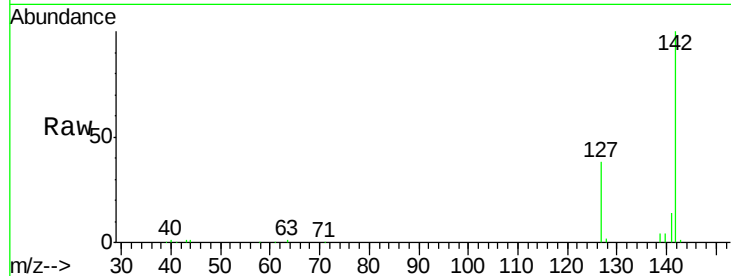
#11
Methyl Iodide
Concen: 15.714 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

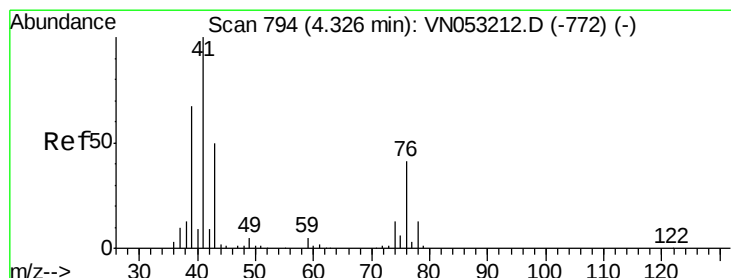
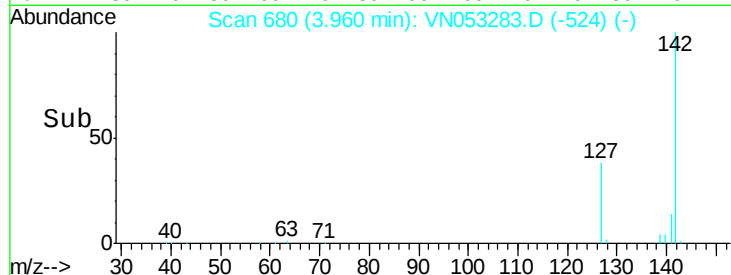
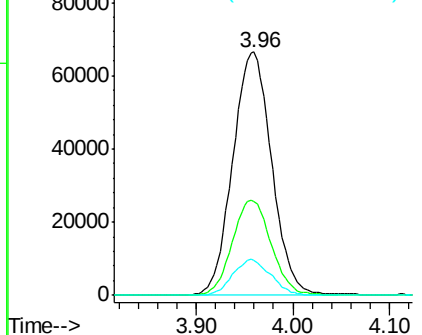
Tot Ion	Ratio	Lower	Upper
142	100		
127	38.4	19.4	58.1
141	14.5	7.2	21.6

Manual Integrations
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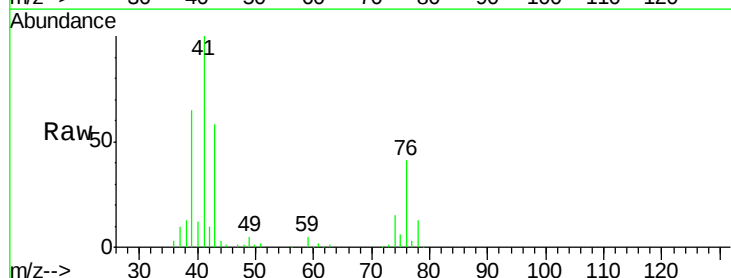


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

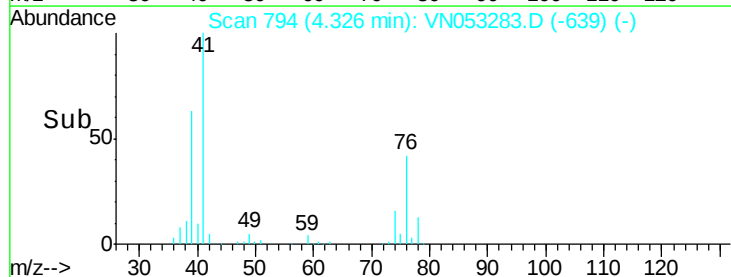
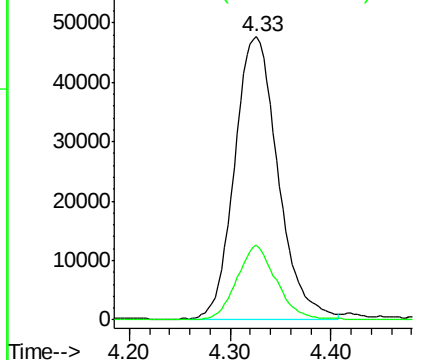


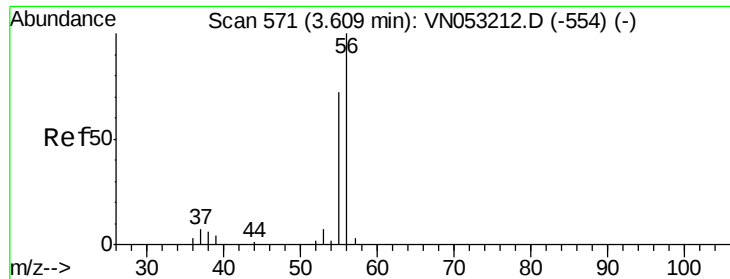
#12
Methyl Acetate
Concen: 22.527 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	18.9	28.3



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





#13

Acrolein

Concen: 79.082 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 59514

Ion Ratio Lower Upper

56 100

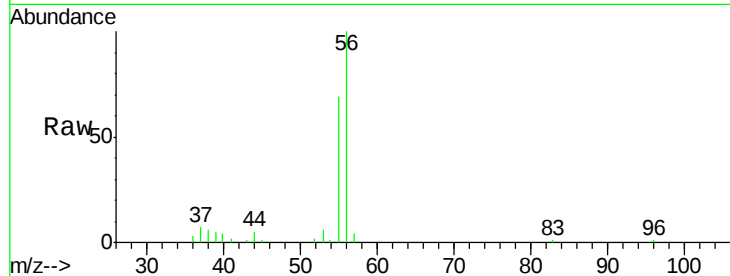
55 71.6 56.7 85.1

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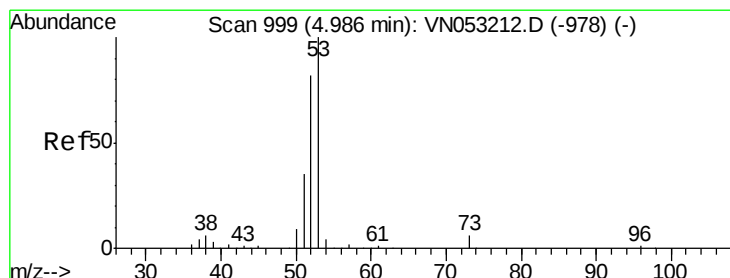
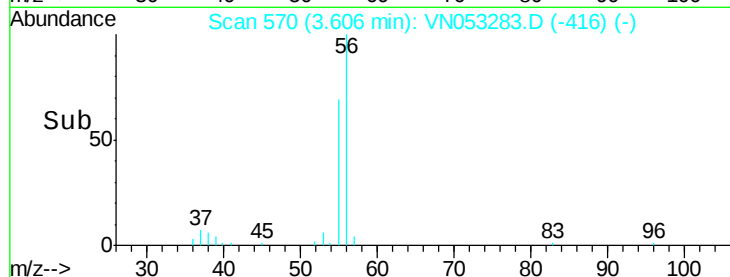
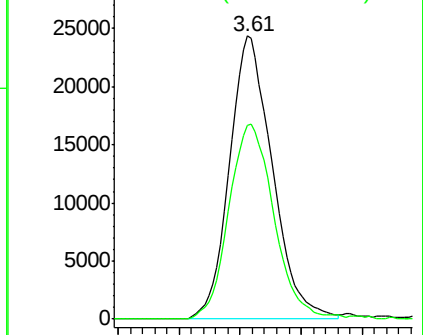
MMDadoda

1/7/2019 11:10:06 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 111.899 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

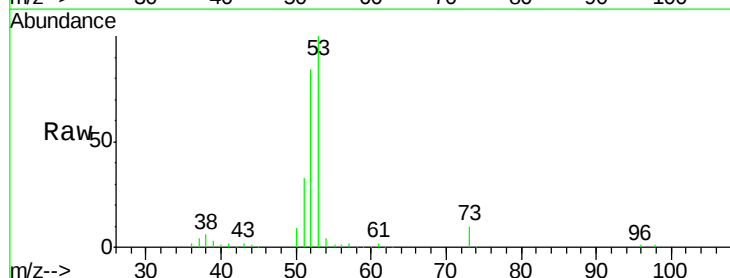
Tgt Ion: 53 Resp: 315539

Ion Ratio Lower Upper

53 100

52 81.5 39.9 119.7

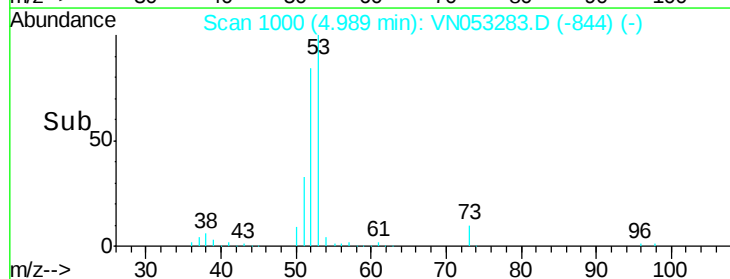
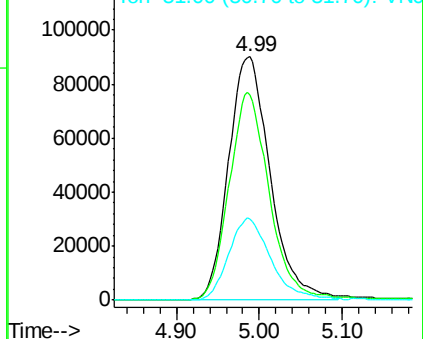
51 33.7 17.6 52.9

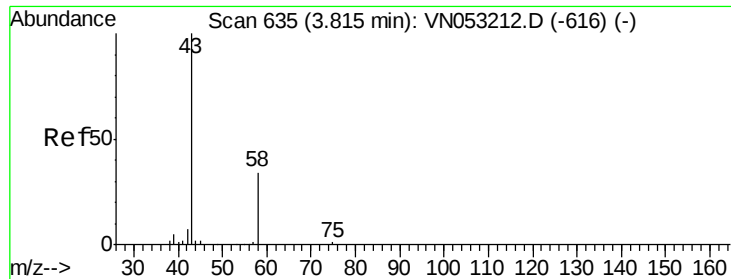


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





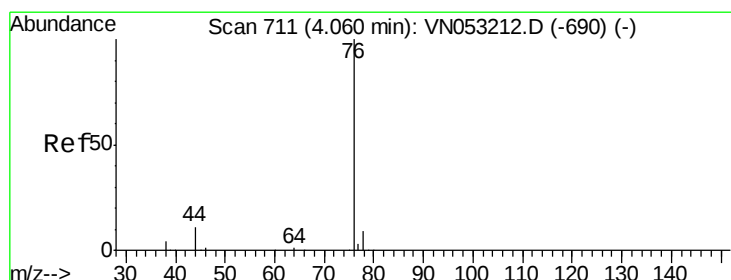
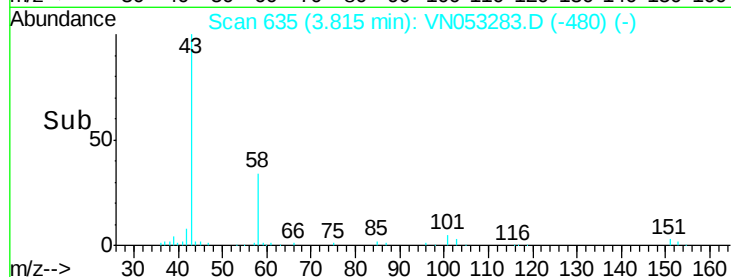
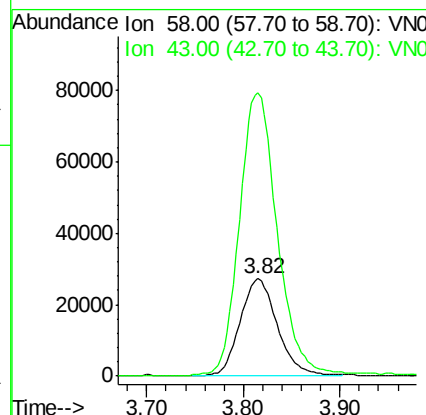
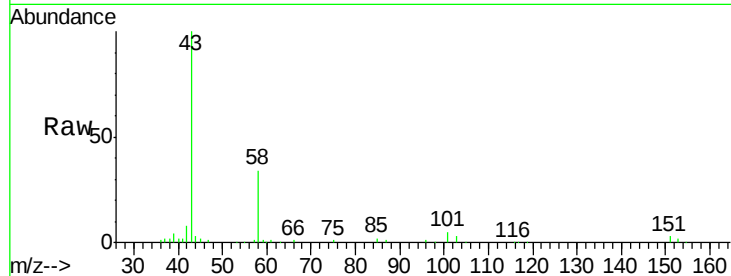
#15
Acetone
Concen: 122.597 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 58 Resp: 73472
Ion Ratio Lower Upper
58 100
43 289.5 243.6 365.4

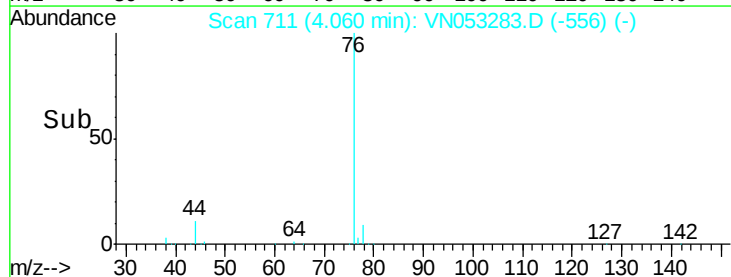
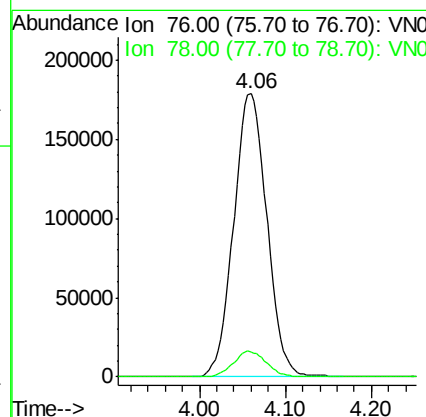
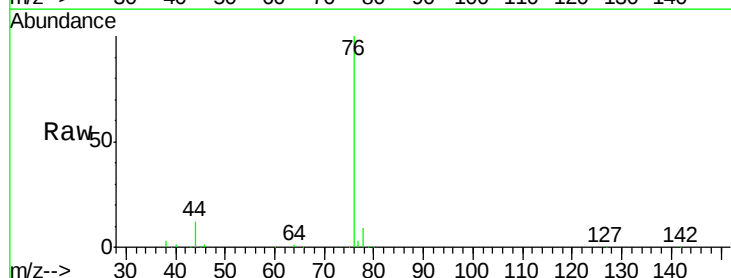
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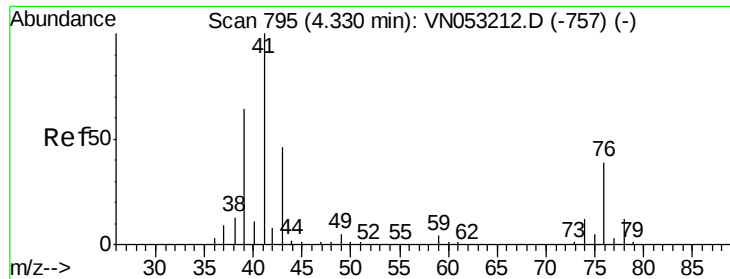
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#16
Carbon Disulfide
Concen: 19.314 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion: 76 Resp: 480505
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9





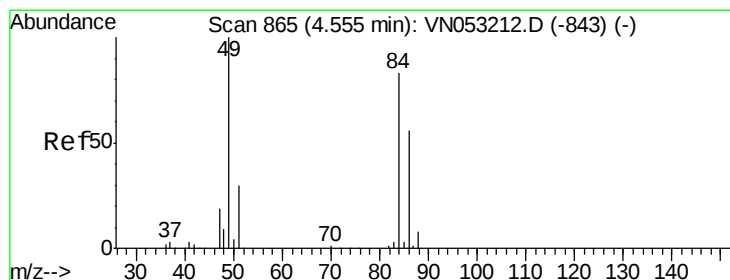
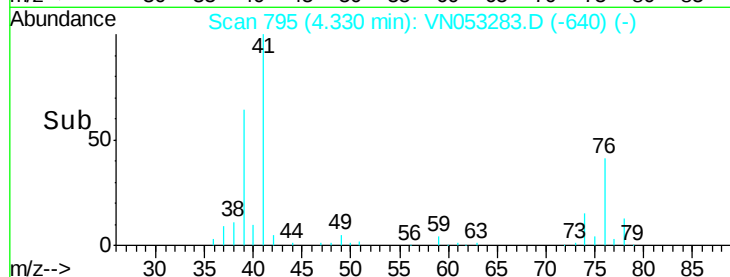
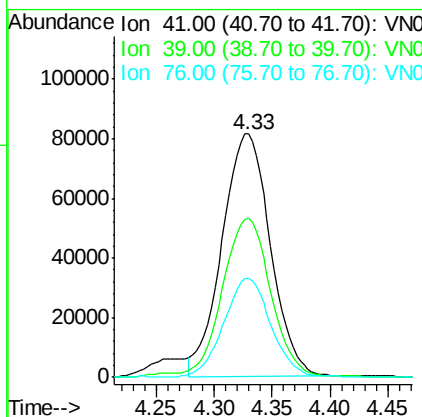
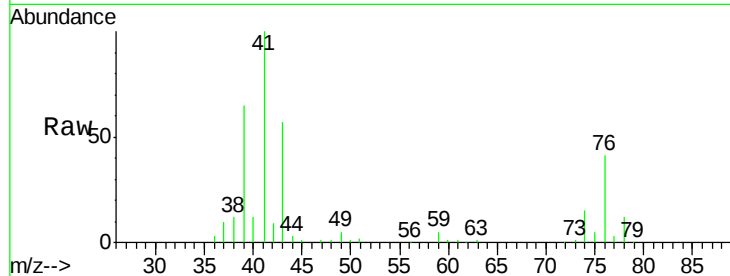
#17
Allvl chloride
Concen: 18.466 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.3	32.8	98.3
76	40.7	18.6	55.8

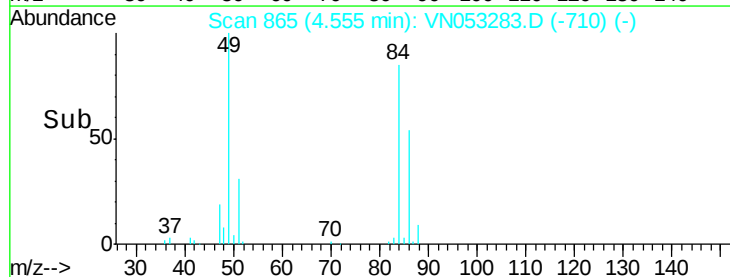
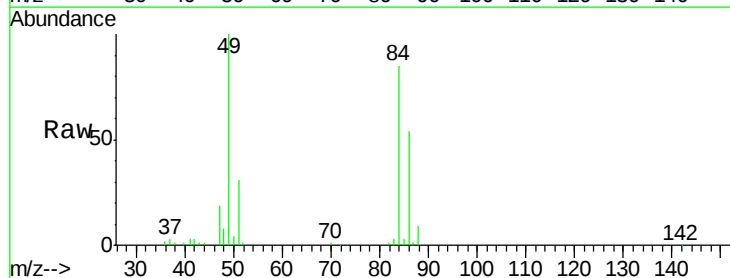
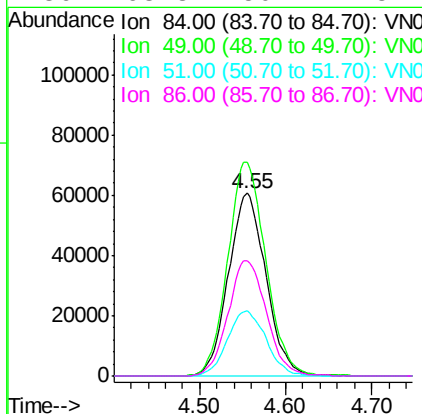
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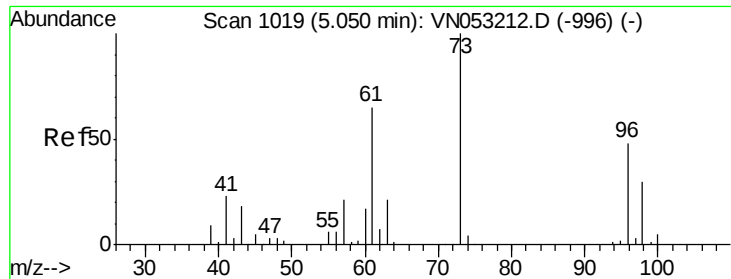
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1/7/2019 11:10:06 AM



#18
Methylene Chloride
Concen: 19.898 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.5	101.4	152.0
51	35.8	31.7	47.5
86	63.3	50.1	75.1





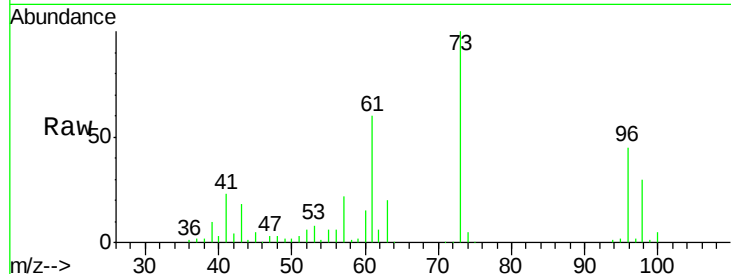
#19
trans-1,2-Dichloroethene
Concen: 19.667 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.6	118.2	177.4
98	67.2	51.4	77.2

Manual Integrations
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1/7/2019 11:10:06 AM

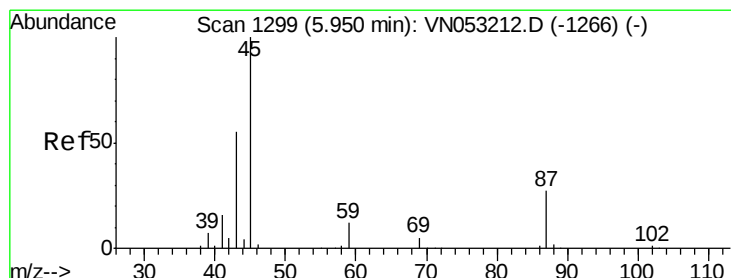
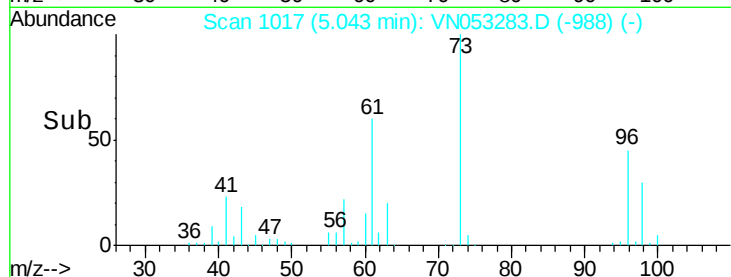
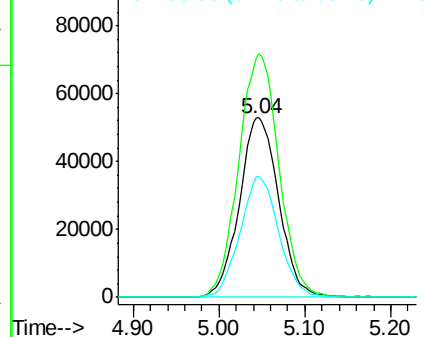


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 20.267 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.4	47.8	71.8
87	28.2	21.3	31.9
59	11.7	8.9	13.3

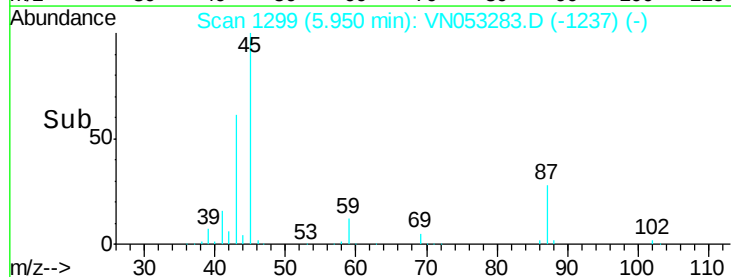
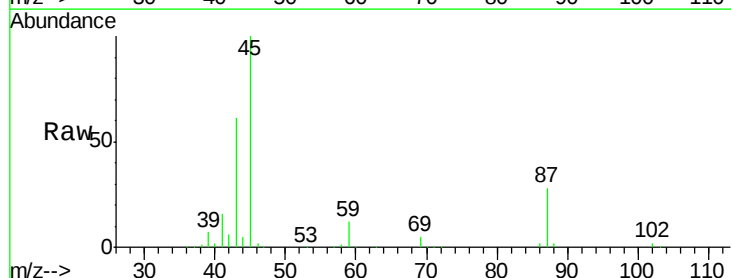
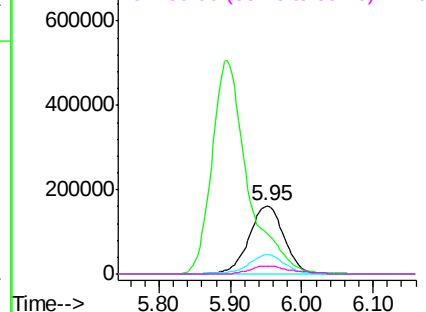
Abundance

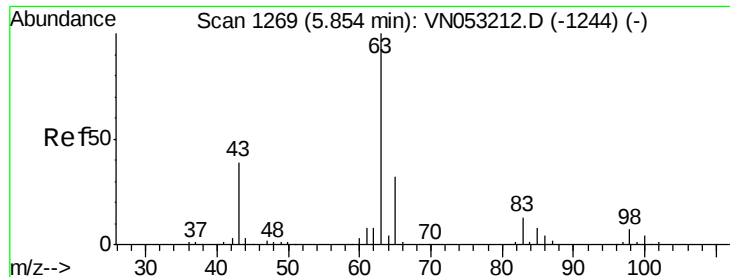
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





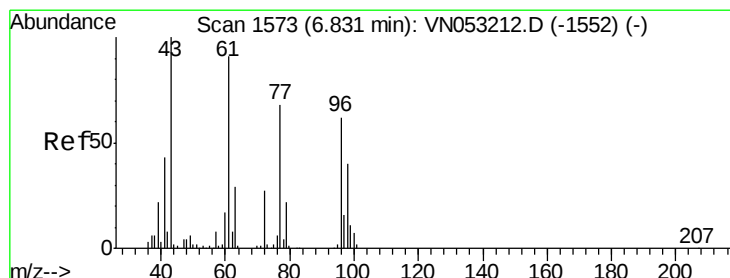
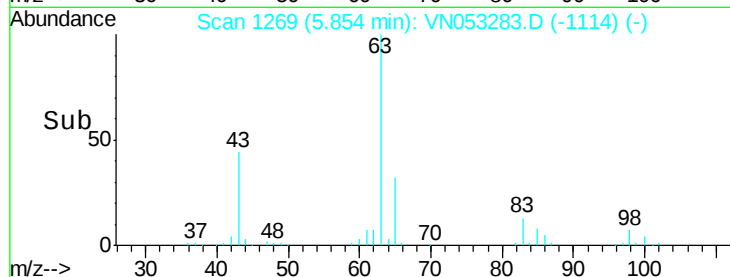
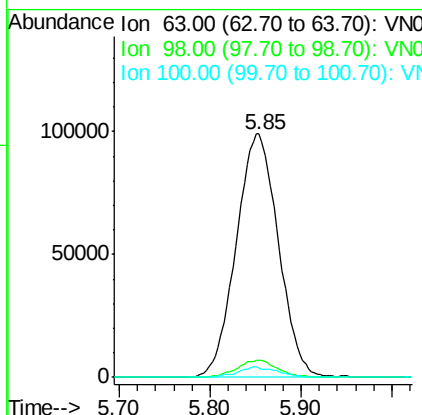
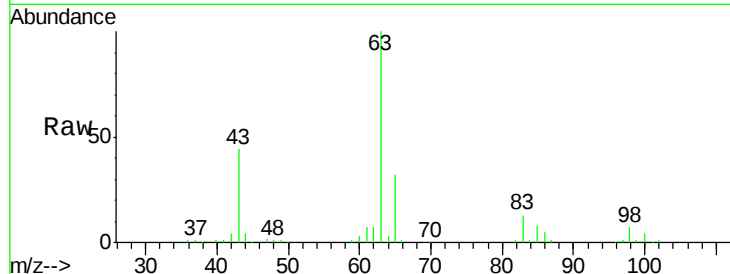
#21
 1,1-Dichloroethane
 Concen: 20.081 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.1	3.0	9.2	
100	3.8	1.8	5.5	

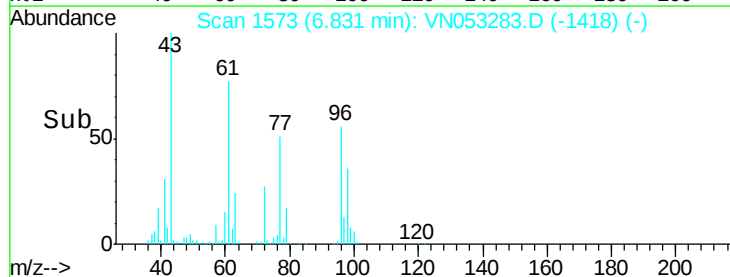
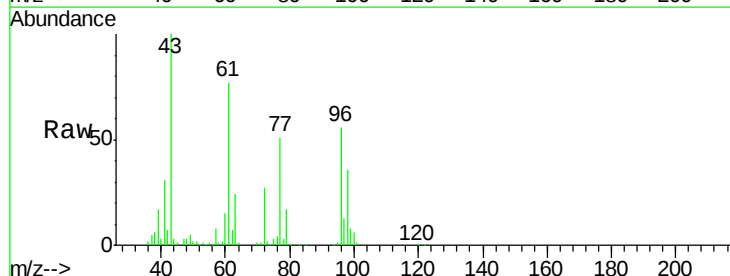
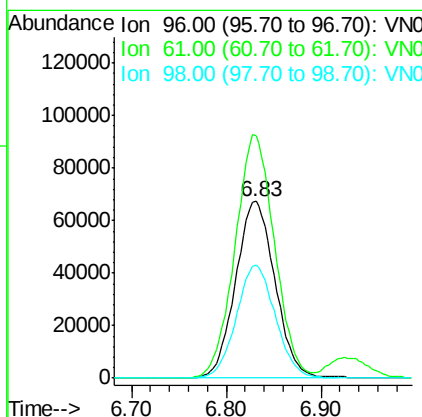
Manual Integrations
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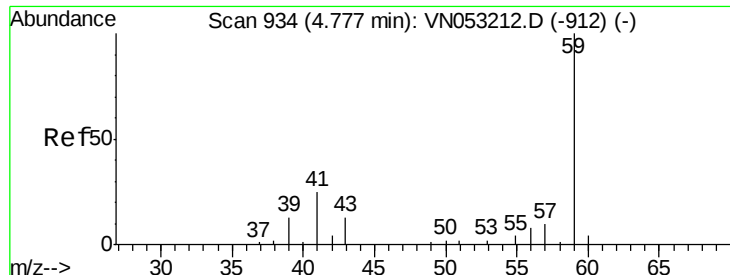
MMDadoda
 1/7/2019 11:10:06 AM



#22
 cis-1,2-Dichloroethene
 Concen: 20.273 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	137.9	116.7	175.1	
98	63.3	50.8	76.2	





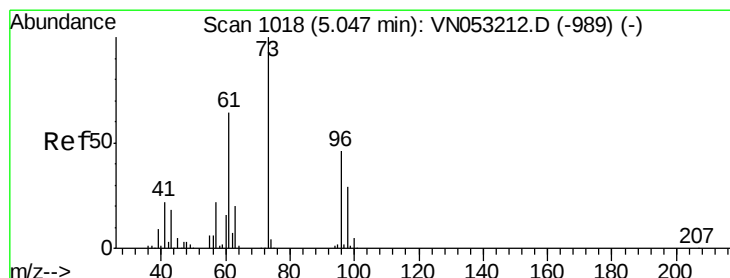
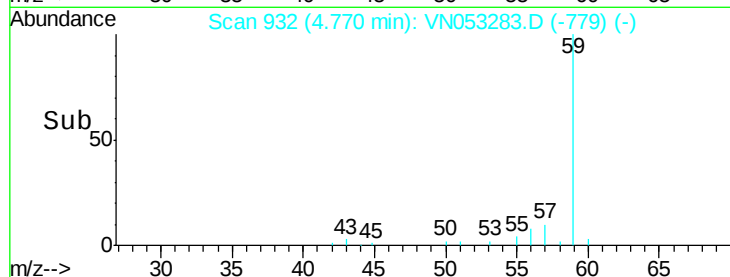
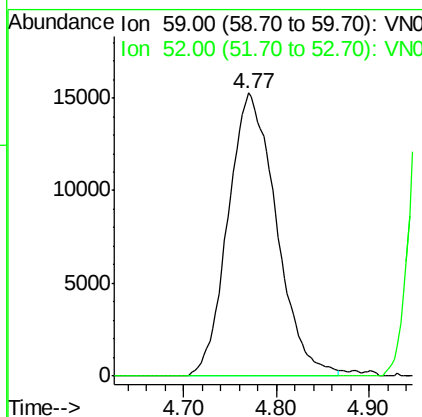
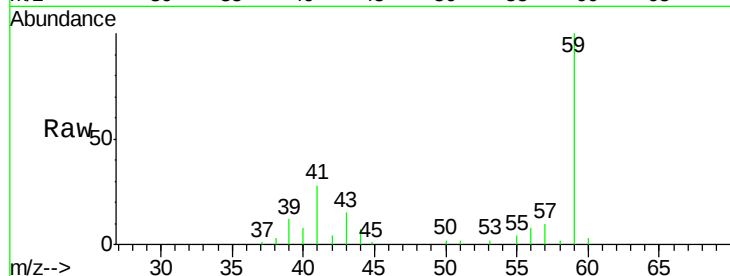
#23
 tert-Butyl Alcohol
 Concen: 116.063 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	1.1	0.0	0.0#

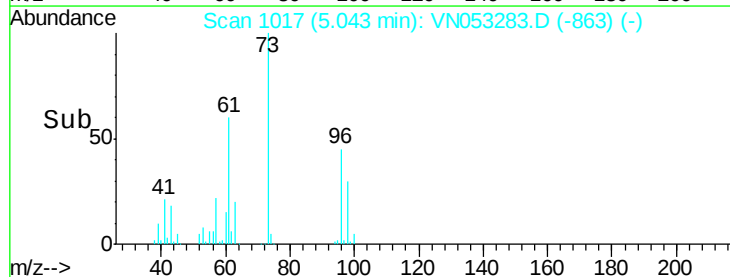
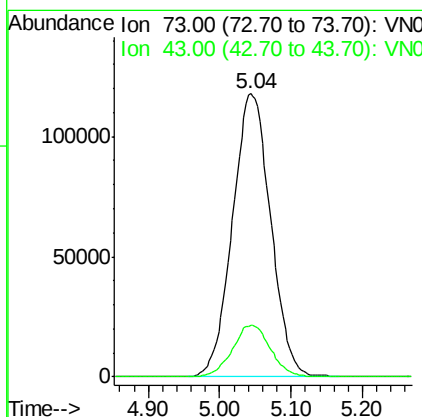
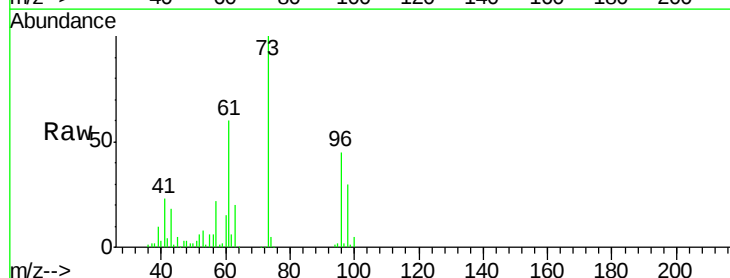
Manual Integrations
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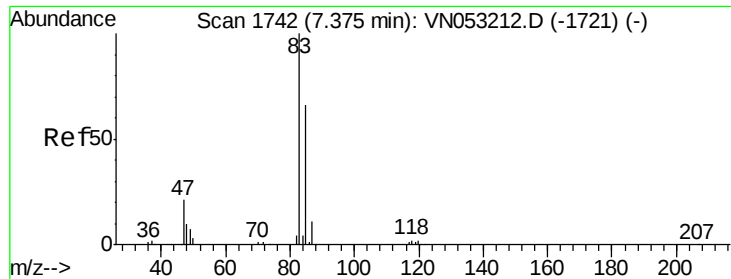
MMDadoda
 1/7/2019 11:10:06 AM



#24
 Methyl tert-Butyl Ether
 Concen: 20.824 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.8	15.8	23.8





#25

Chloroform

Concen: 20.221 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 308335

Ion Ratio Lower Upper

83 100

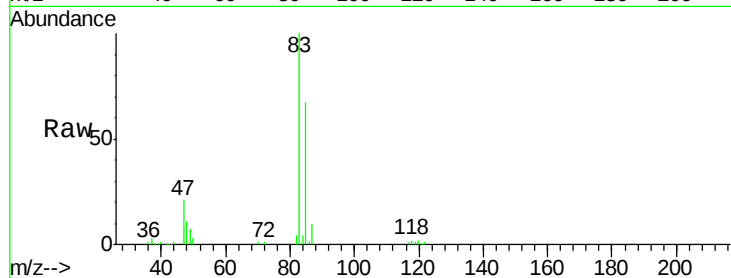
85 67.0 51.7 77.5

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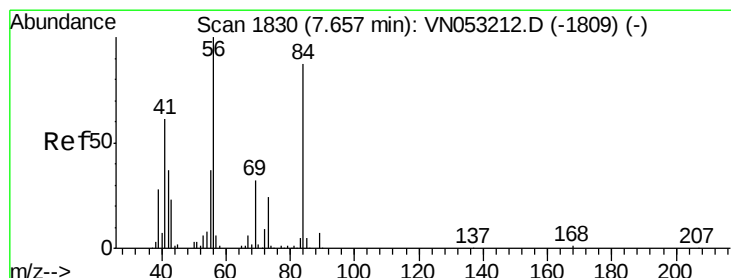
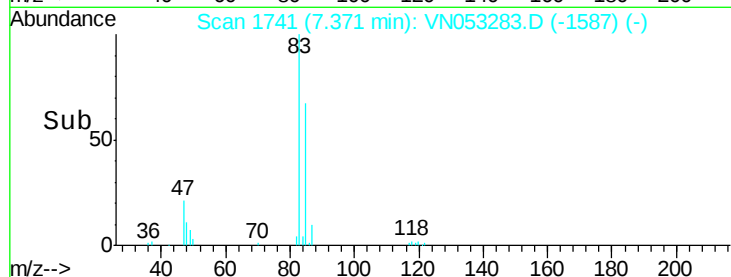
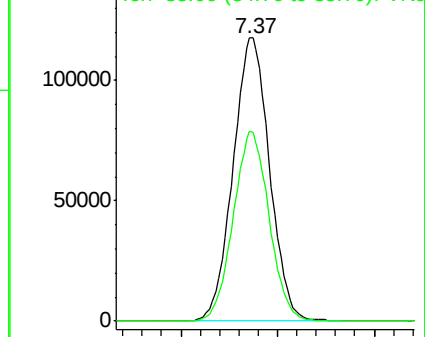
MMDadoda

1/7/2019 11:10:06 AM



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 85.00 (84.70 to 85.70): VNO



#26

Cyclohexane

Concen: 19.907 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

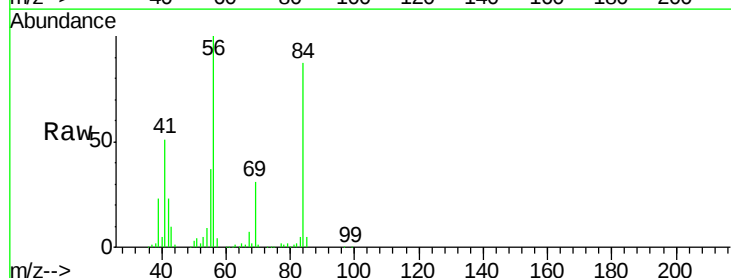
Tgt Ion: 56 Resp: 294539

Ion Ratio Lower Upper

56 100

89 0.0 0.5 0.7#

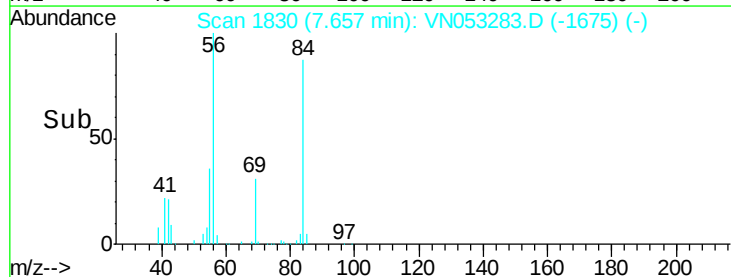
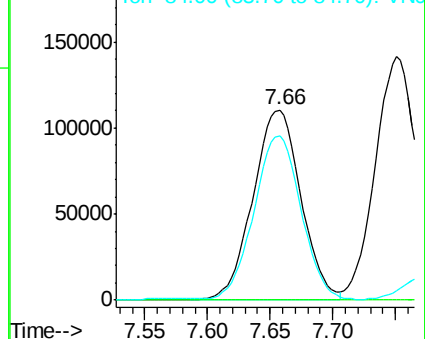
84 83.8 66.2 99.2

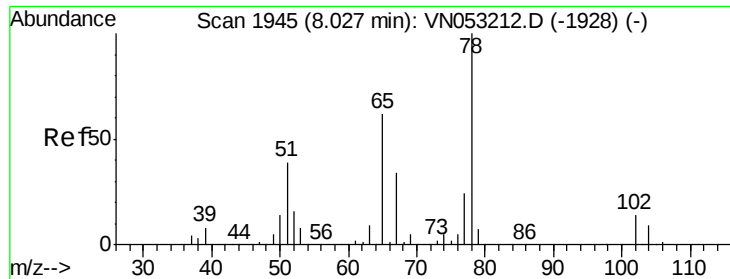


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 89.00 (88.70 to 89.70): VNO

Ion 84.00 (83.70 to 84.70): VNO





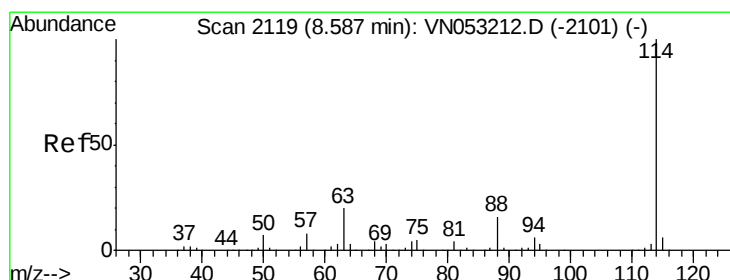
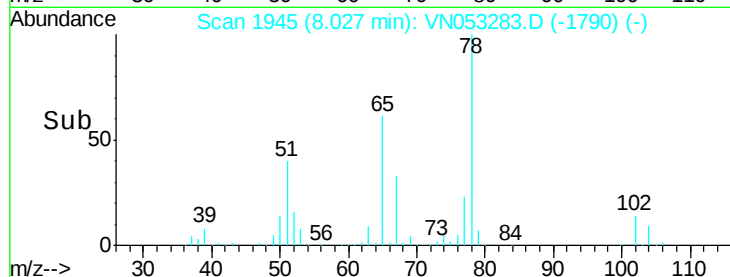
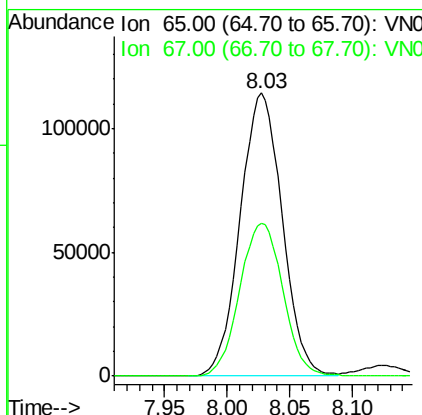
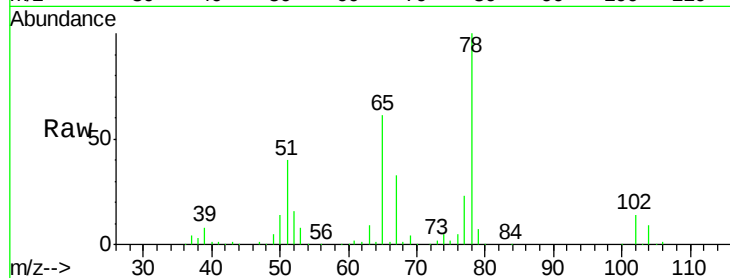
#27
 1,2-Dichloroethane-d4
 Concen: 19.907 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.2	44.6	66.8

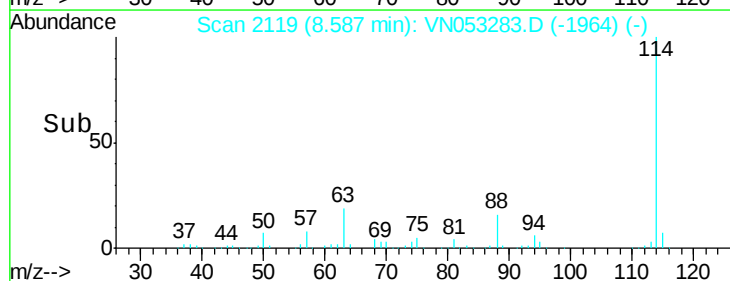
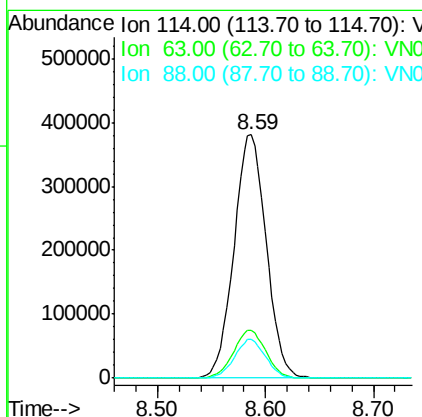
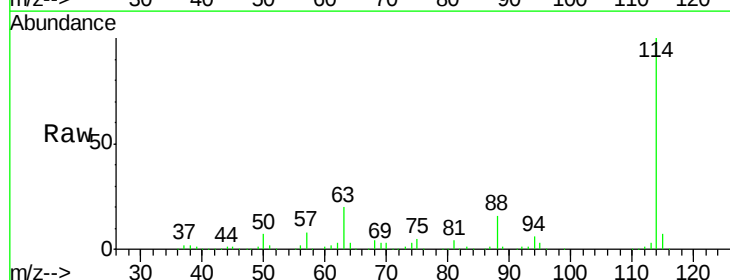
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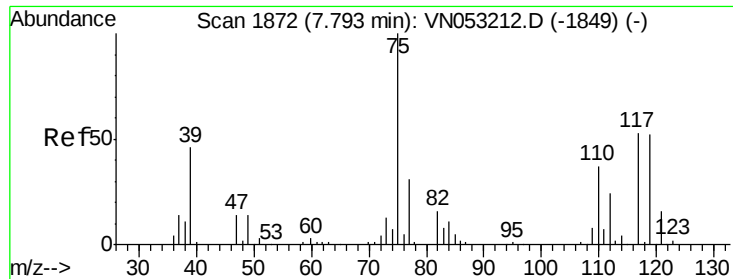
MMDadoda
 1/7/2019 11:10:06 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	16.9	25.3
88	15.4	12.8	19.2





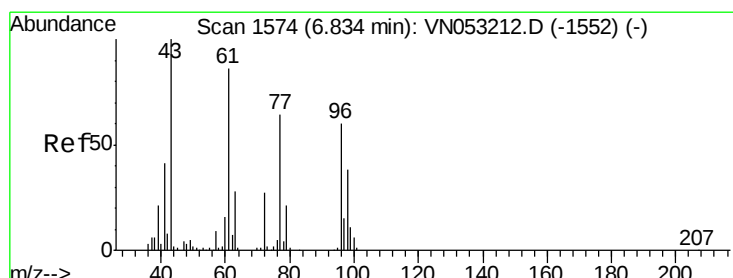
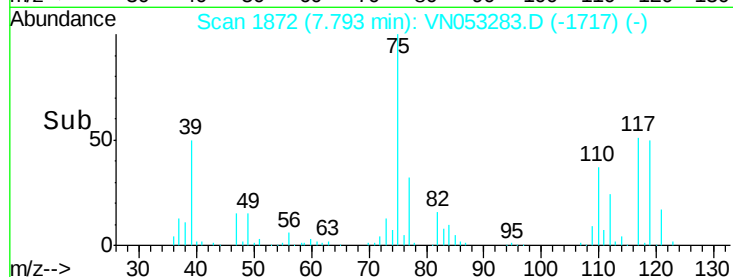
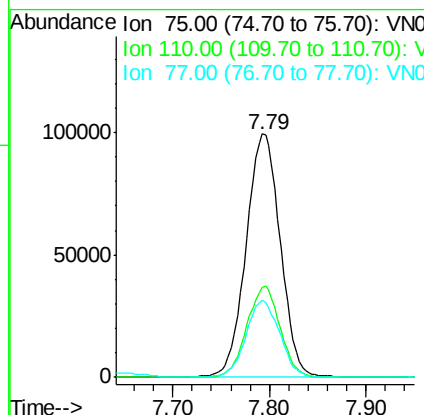
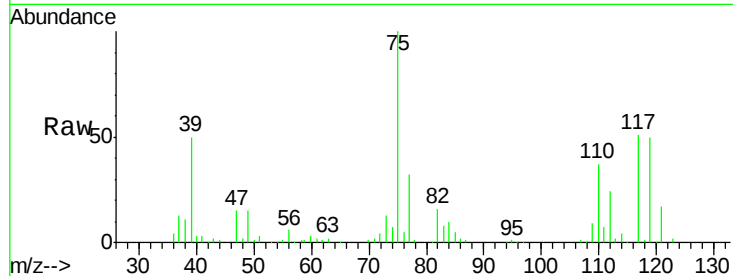
#29
 1,1-Dichloropropene
 Concen: 20.330 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100	244452		
110	36.3	0.0	70.2	
77	31.3	0.0	62.6	

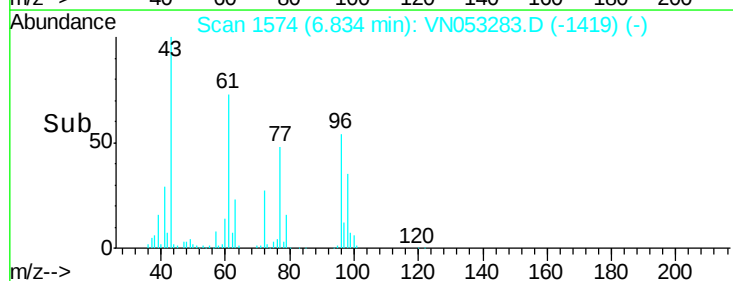
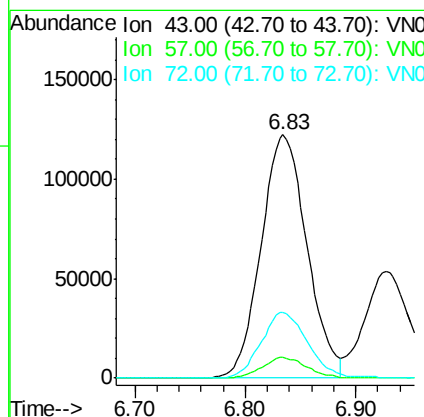
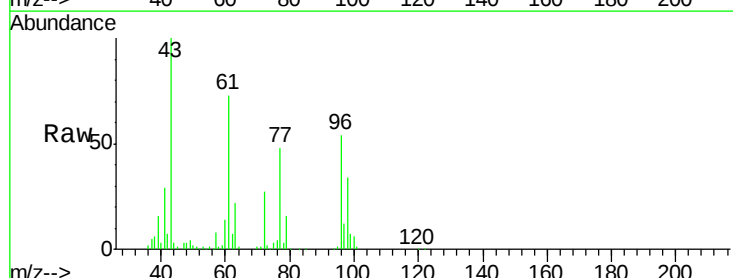
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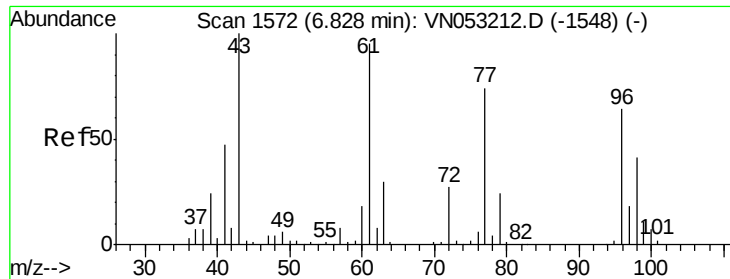
MMDadoda
 1/7/2019 11:10:06 AM



#30
 2-Butanone
 Concen: 116.723 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	350157		
57	8.1	6.2	9.4	
72	27.8	21.0	31.6	





#31

2,2-Dichloropropane

Concen: 16.993 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 197807

Ion Ratio Lower Upper

77 100

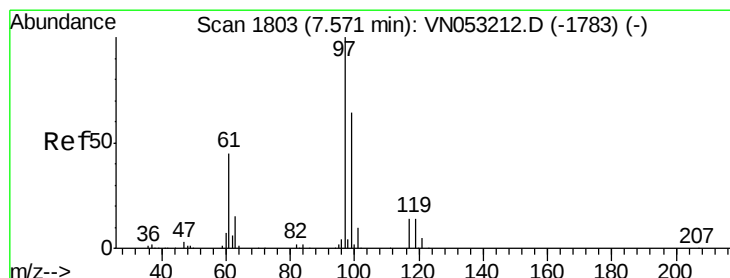
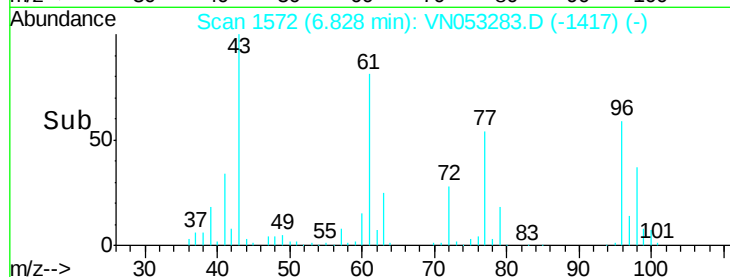
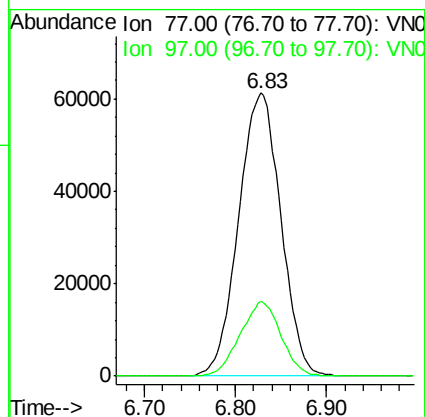
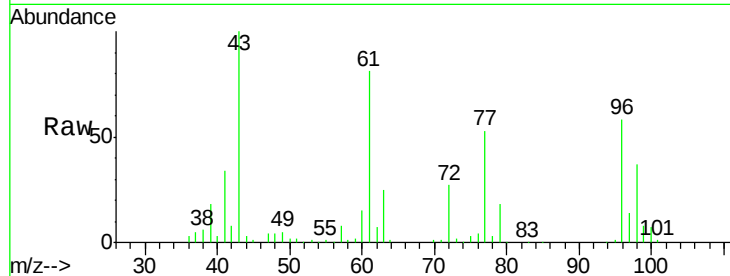
97 25.4 18.7 28.1

Manual Integrations

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MMDadoda

1/7/2019 11:10:06 AM



#32

1,1,1-Trichloroethane

Concen: 20.523 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

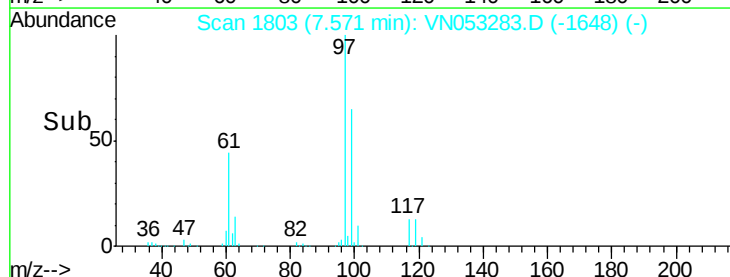
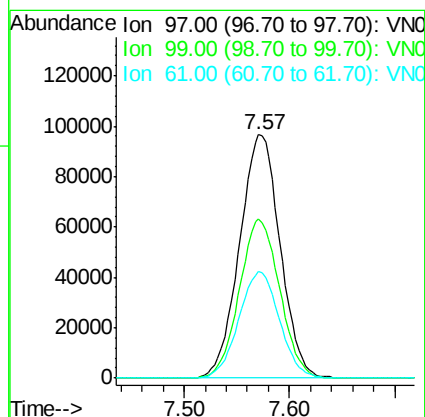
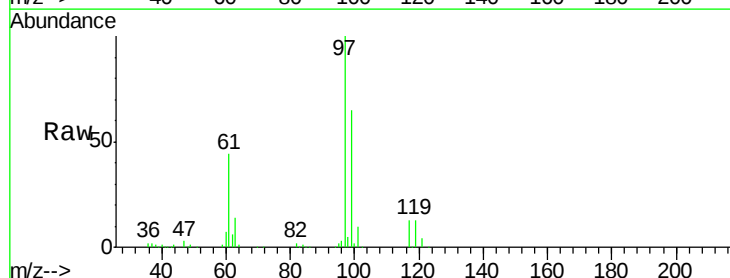
Tgt Ion: 97 Resp: 258552

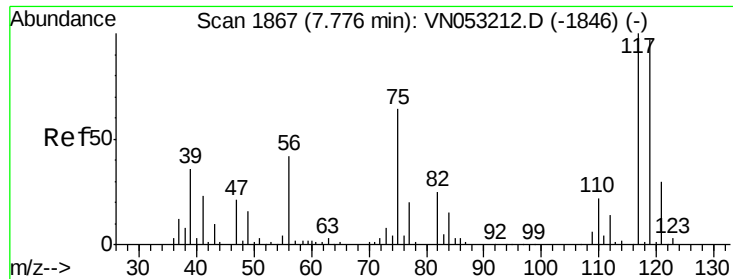
Ion Ratio Lower Upper

97 100

99 64.8 50.9 76.3

61 43.8 38.1 57.1





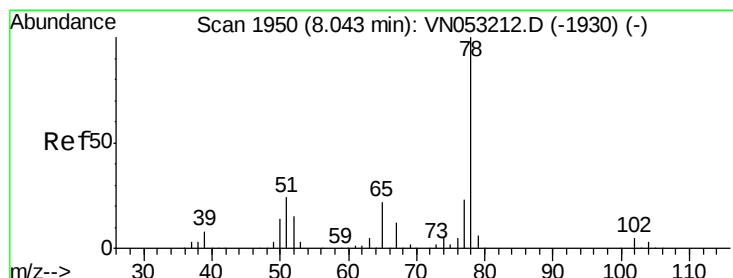
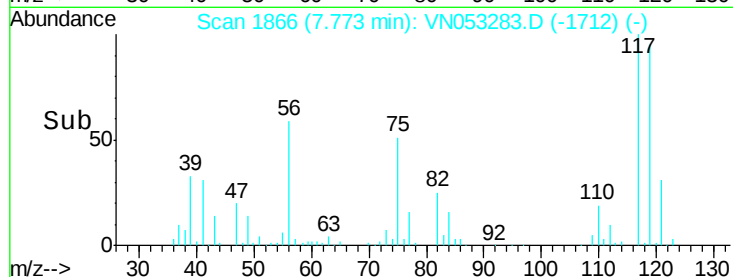
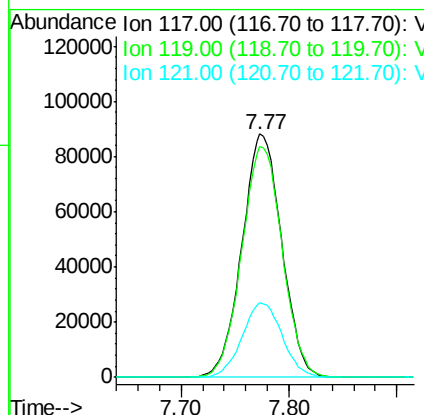
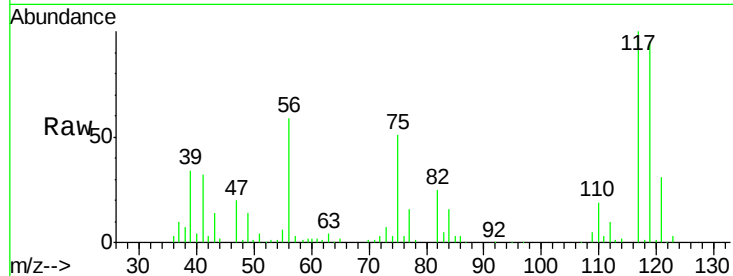
#33
Carbon Tetrachloride
Concen: 20.458 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		225610		
119	94.6	77.3	115.9		
121	30.6	24.9	37.3		

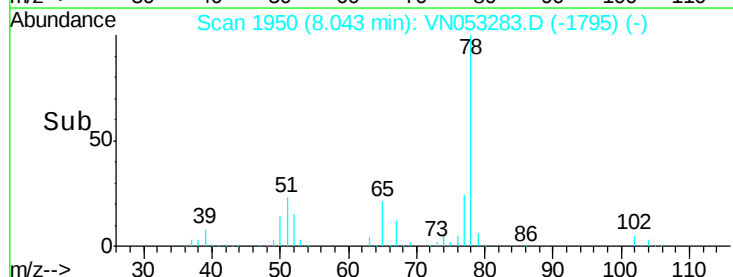
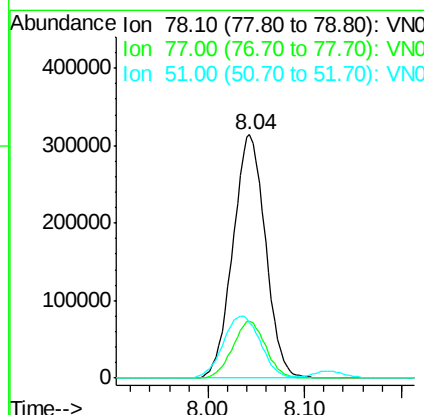
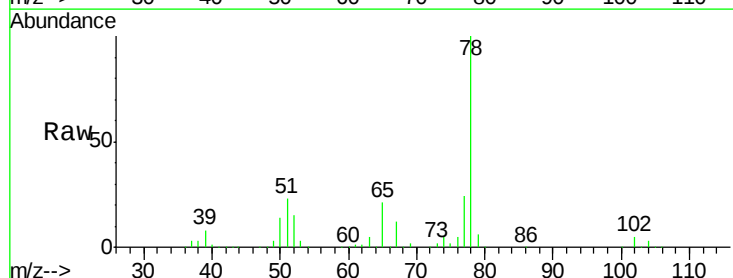
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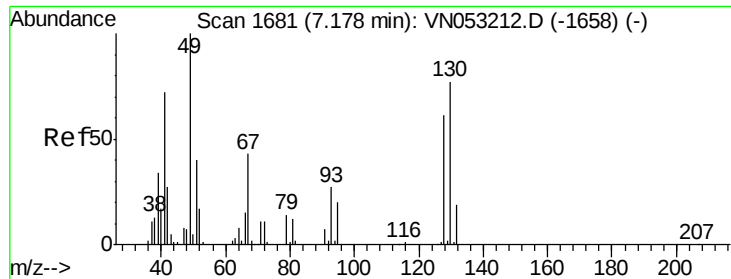
MMDadoda
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#34
Benzene
Concen: 20.333 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
78	100		734763		
77	23.5	19.0	28.6		
51	22.8	20.5	30.7		





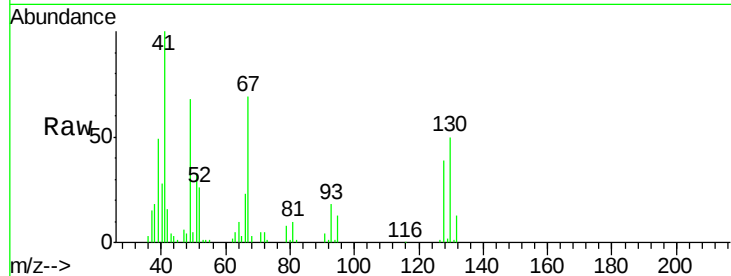
#35
Methacrylonitrile
Concen: 23.547 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

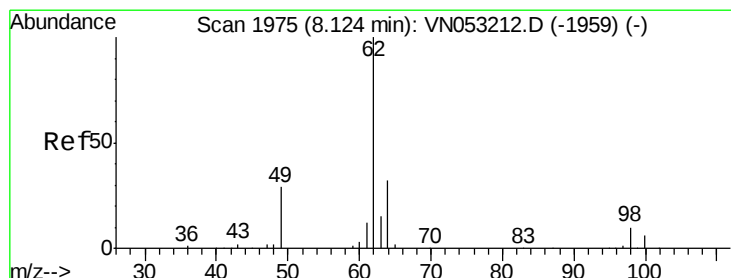
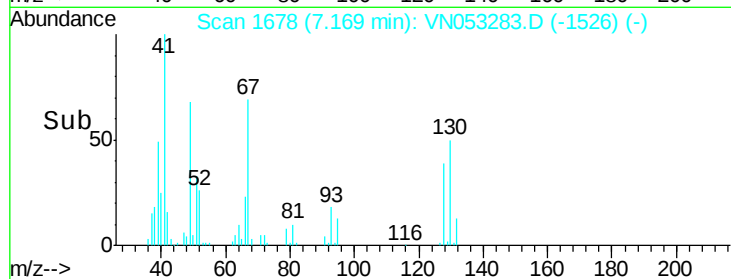
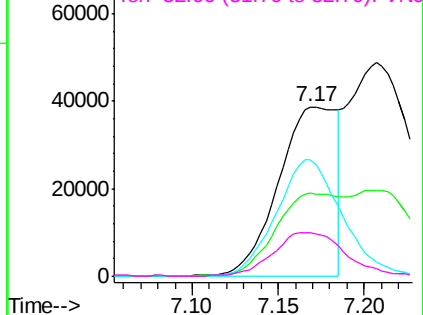
Tot Ion	41	Resp	91151
Ion Ratio	Lower	Upper	
41	100		
39	48.8	26.6	79.7
67	68.8	32.3	96.9
52	25.9	13.0	38.9

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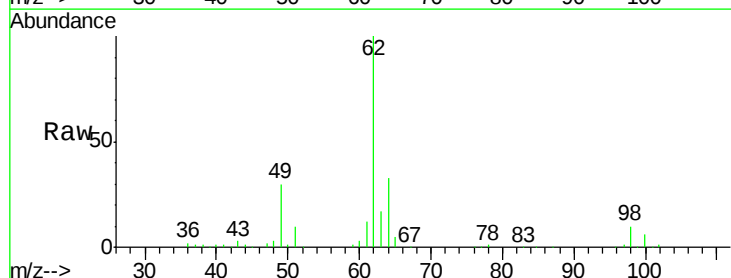


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

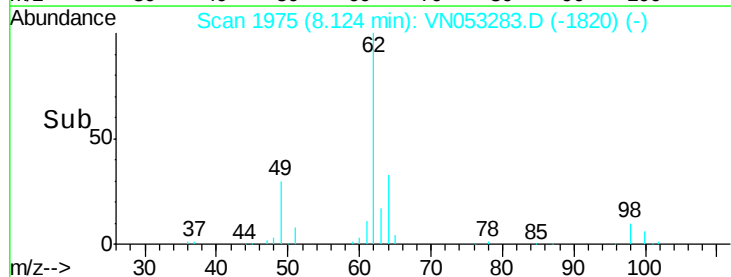
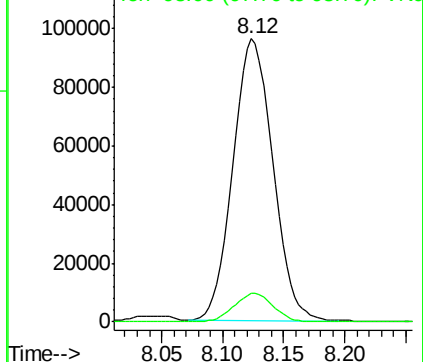


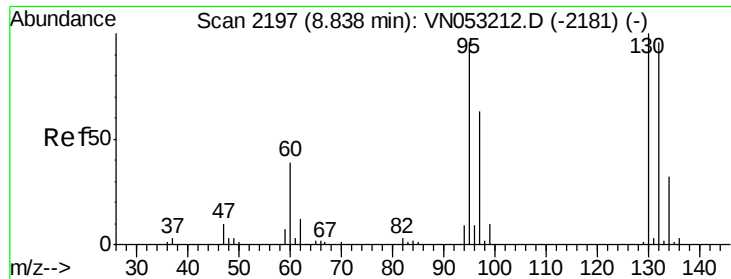
#36
1,2-Dichloroethane
Concen: 20.852 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion	62	Resp	218753
Ion Ratio	Lower	Upper	
62	100		
98	10.0	7.4	11.2



Abundance Ion 62.00 (61.70 to 62.70): VNC
Ion 98.00 (97.70 to 98.70): VNC





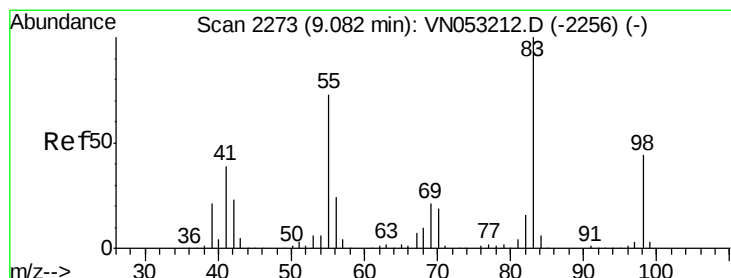
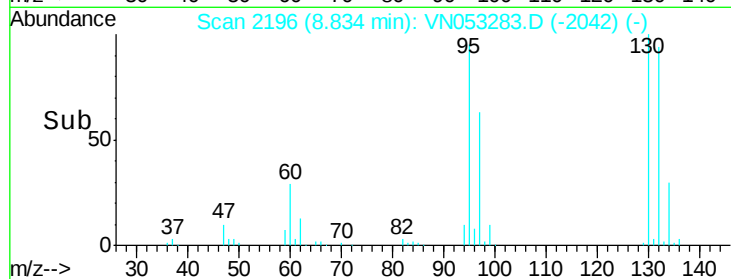
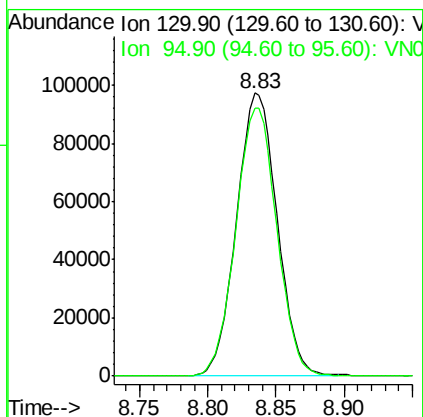
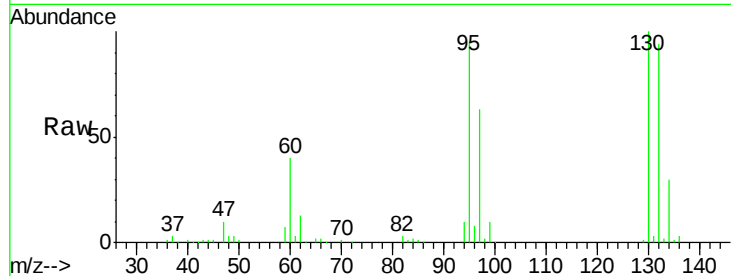
#37
 Trichloroethene
 Concen: 20.578 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 201452
 Ion Ratio Lower Upper
 130 100
 95 94.9 81.0 121.4

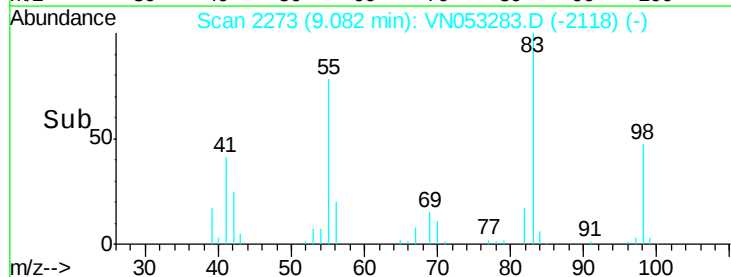
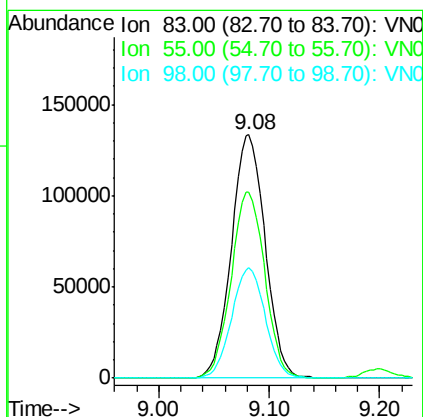
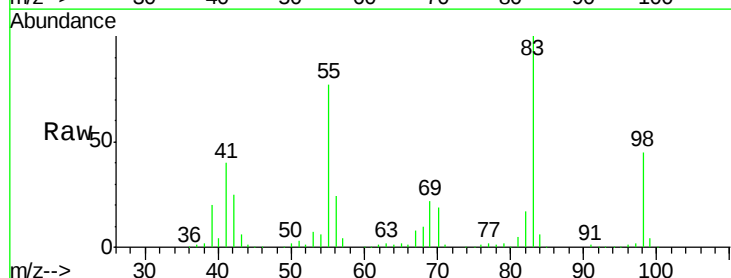
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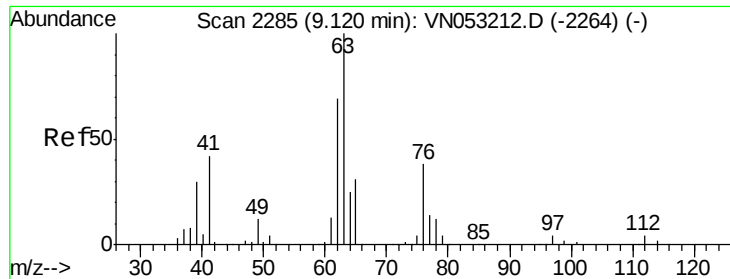
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 1/7/2019 11:10:06 AM



#38
 Methylcyclohexane
 Concen: 20.172 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion: 83 Resp: 283700
 Ion Ratio Lower Upper
 83 100
 55 76.2 39.8 119.4
 98 45.2 22.9 68.5





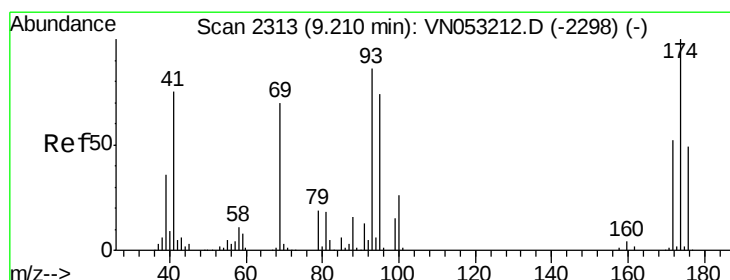
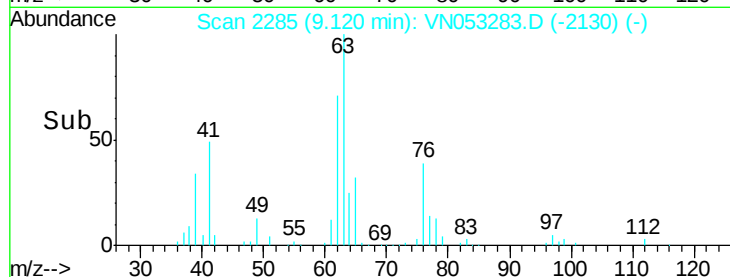
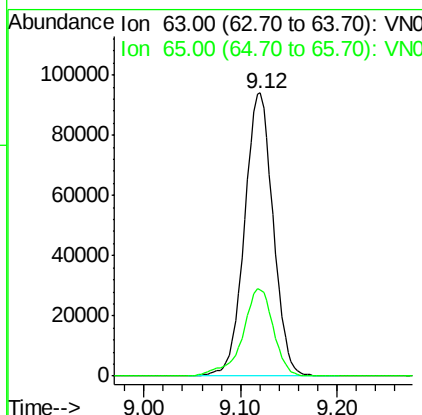
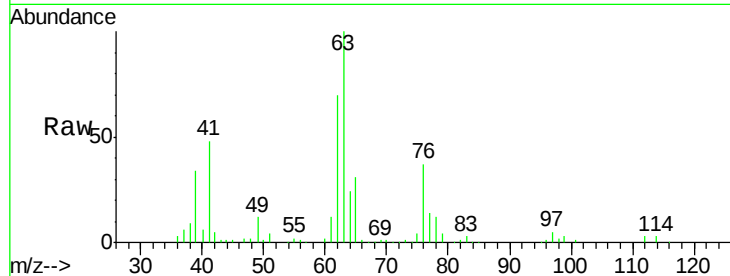
#39
 1,2-Dichloropropane
 Concen: 20.480 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 193257
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.6 35.4

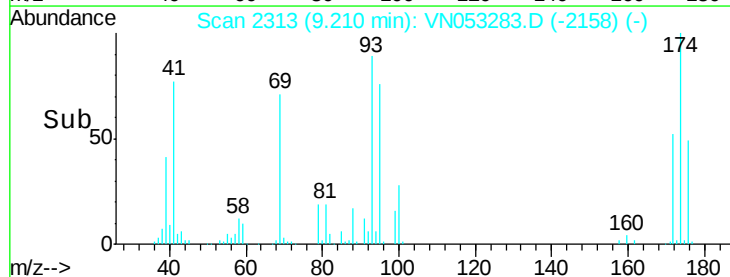
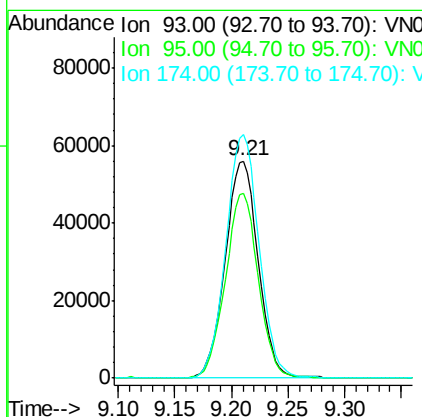
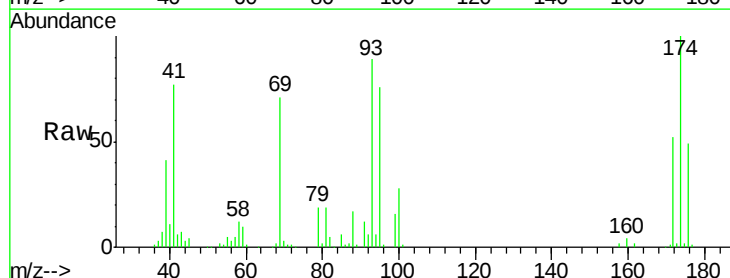
Manual Integrations
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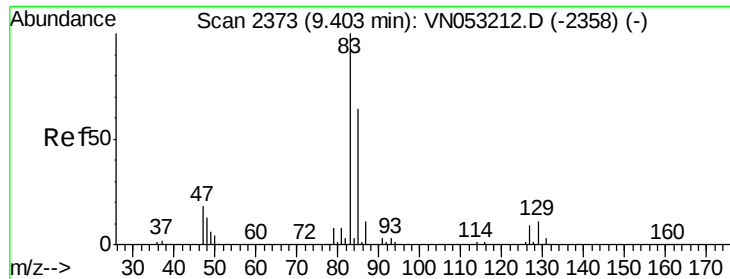
MMDadoda
 1/7/2019 11:10:06 AM



#40
 Dibromomethane
 Concen: 21.349 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion: 93 Resp: 113929
 Ion Ratio Lower Upper
 93 100
 95 84.4 0.0 168.4
 174 112.6 0.0 210.0





#41

Bromodichloromethane

Concen: 20.462 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 234501
Ion Ratio Lower Upper

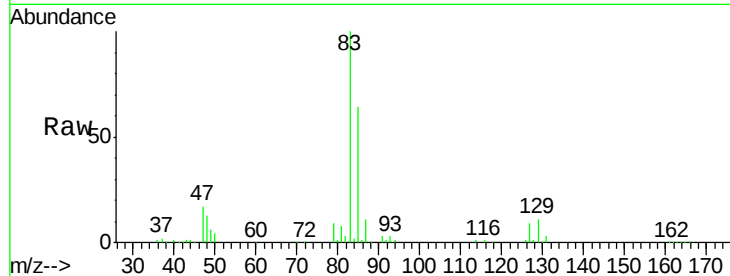
83 100

85 63.8 52.4 78.6

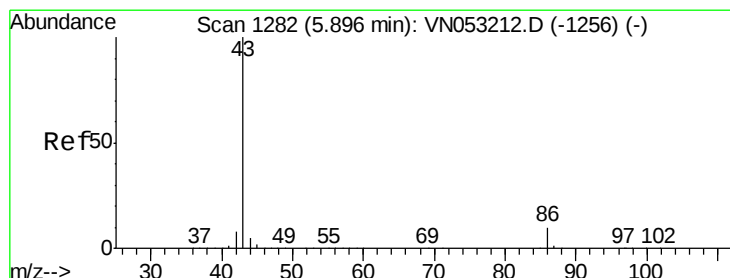
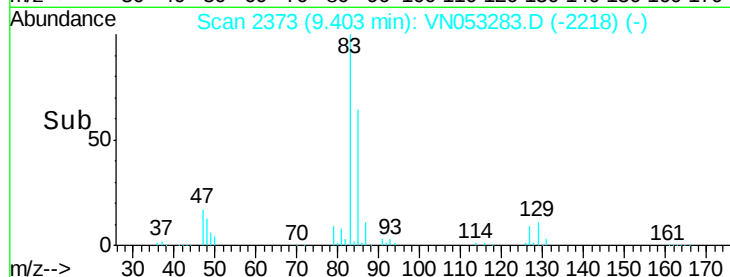
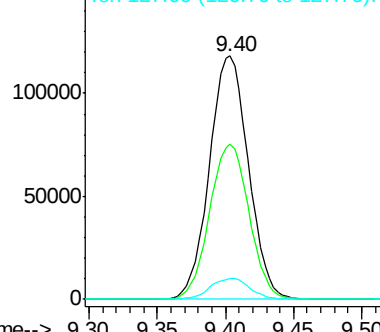
127 8.6 6.6 9.8

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Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 85.00 (84.70 to 85.70): VNO
Ion 127.00 (126.70 to 127.70): VNO



#42

Vinyl Acetate

Concen: 106.863 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

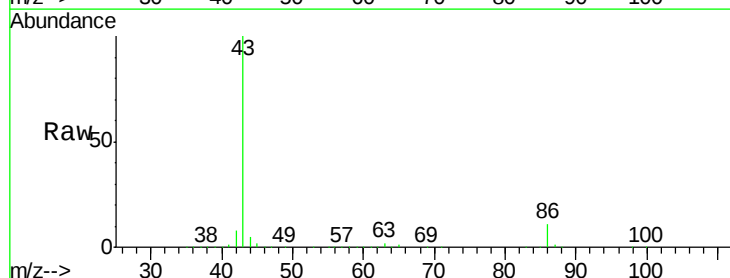
Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

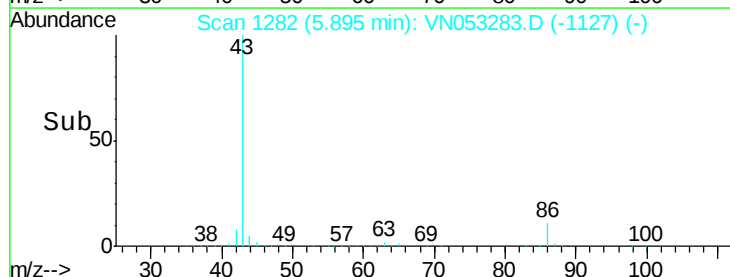
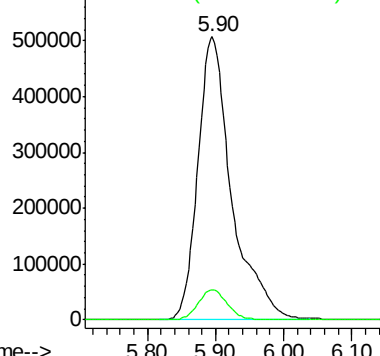
Tgt Ion: 43 Resp: 1748958
Ion Ratio Lower Upper

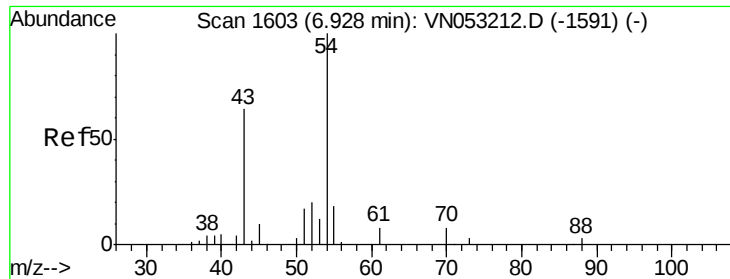
43 100

86 9.3 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 86.00 (85.70 to 86.70): VNO





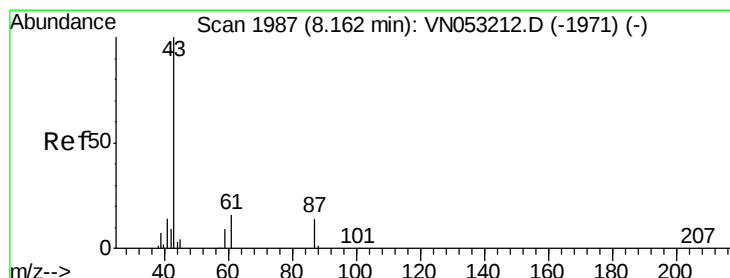
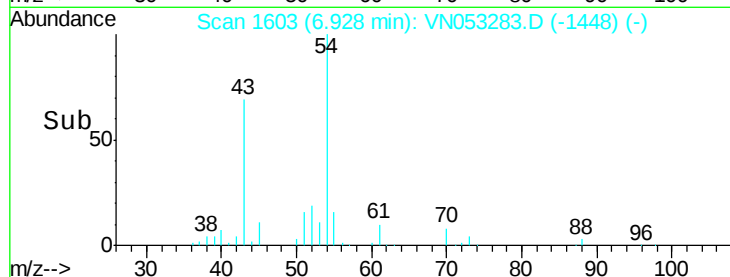
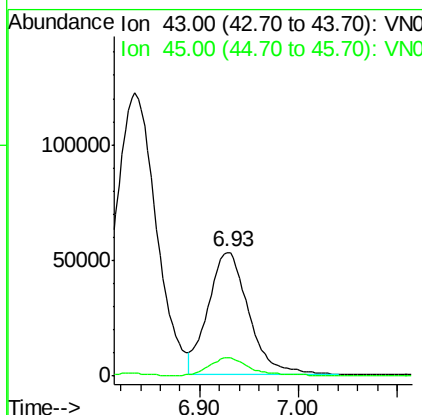
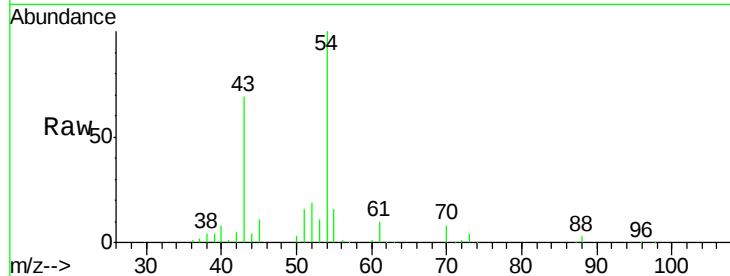
#43
Ethyl Acetate
Concen: 22.681 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 151950
Ion Ratio Lower Upper
43 100
45 15.3 1.0 1.6#

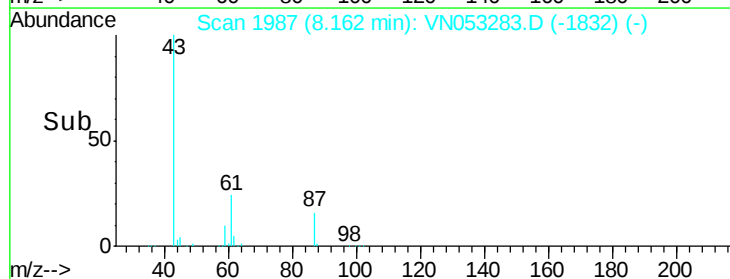
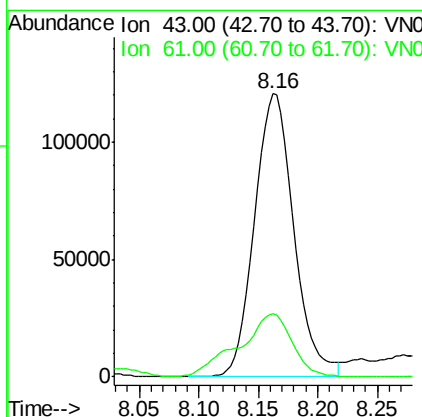
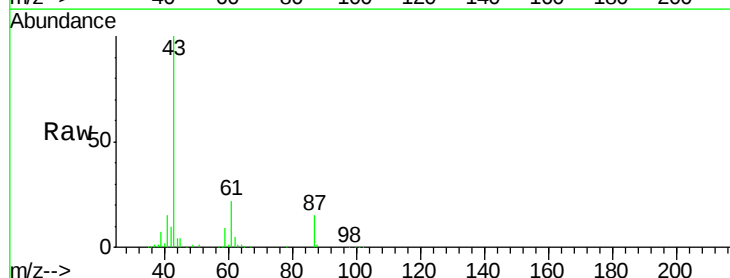
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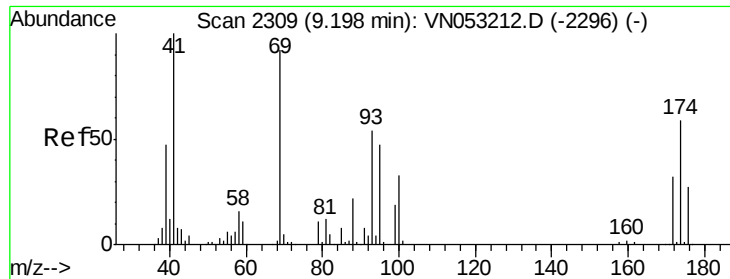
MMDadoda
1/7/2019 11:10:06 AM



#44
Isopropyl Acetate
Concen: 22.024 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion: 43 Resp: 274852
Ion Ratio Lower Upper
43 100
61 30.3 16.0 24.0#





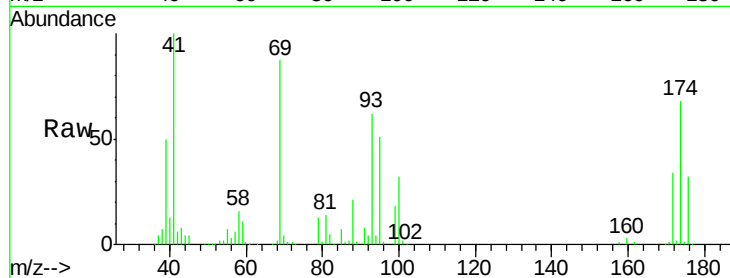
#45
 1,4-Dioxane
 Concen: 439.673 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	29.5	44.3
58	73.7	61.5	92.3

Manual Integrations
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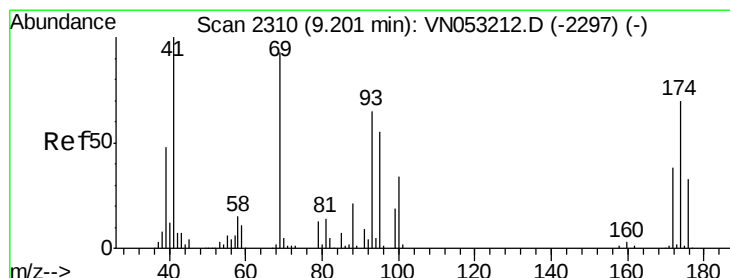
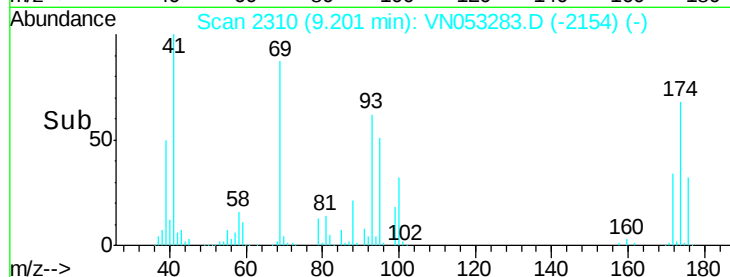
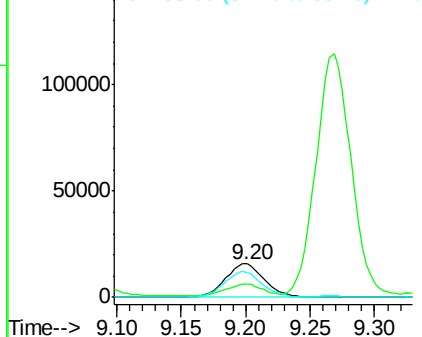


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 21.714 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

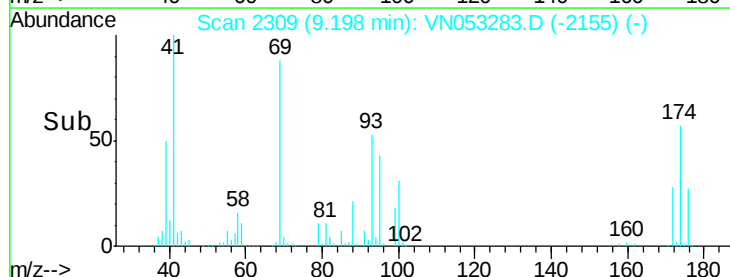
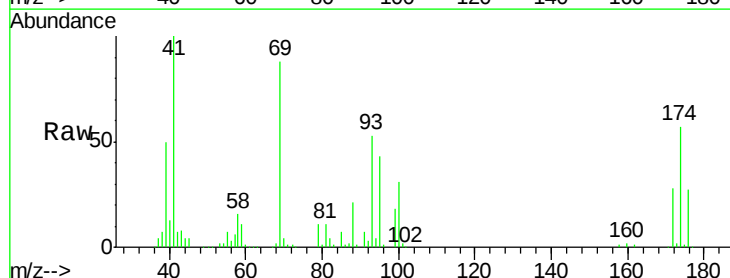
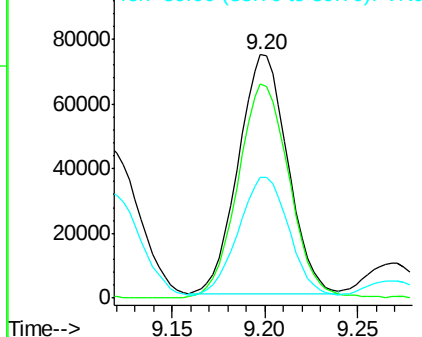
Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.1	42.5	127.6
39	49.1	26.3	78.9

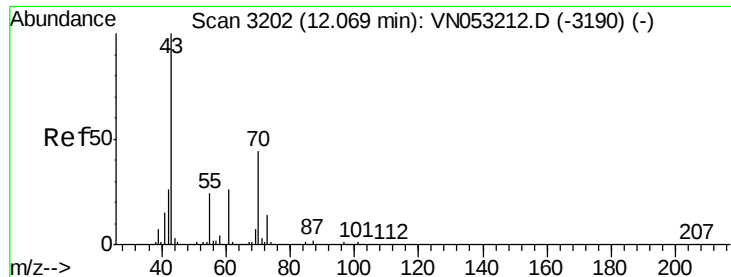
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





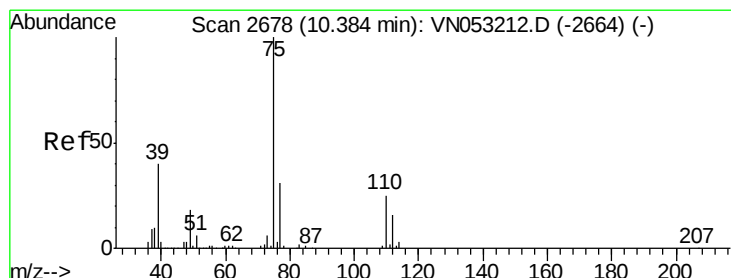
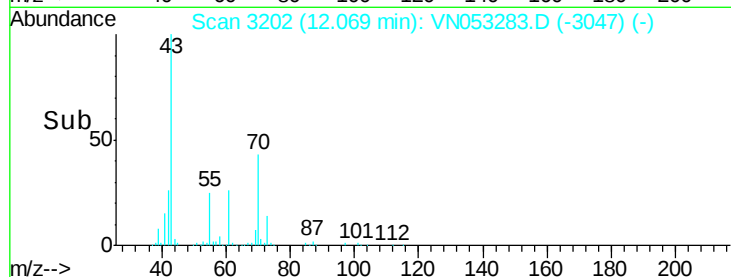
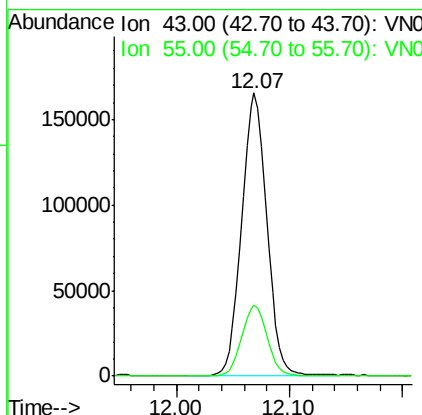
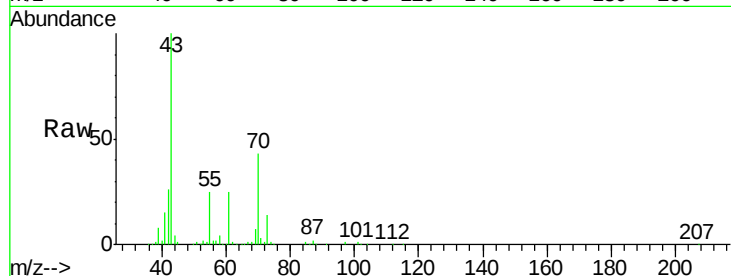
#47
n-amyl Acetate
Concen: 23.399 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 256449
Ion Ratio Lower Upper
43 100
55 25.4 21.1 31.7

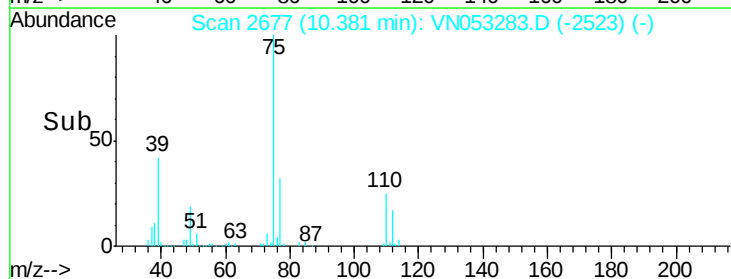
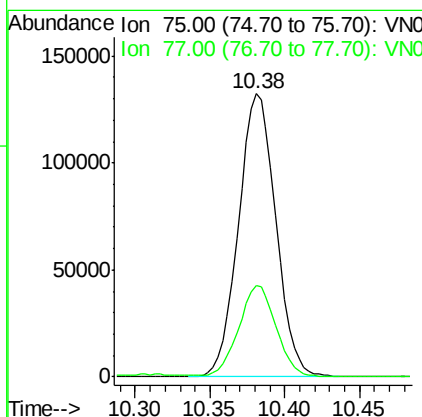
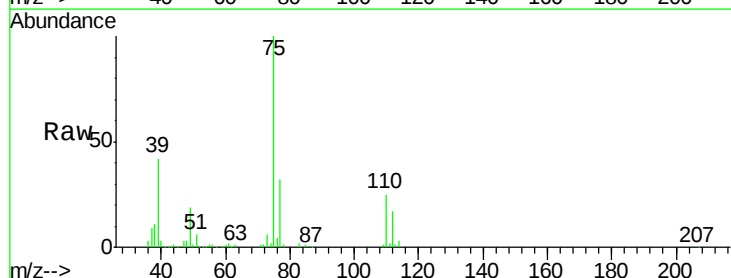
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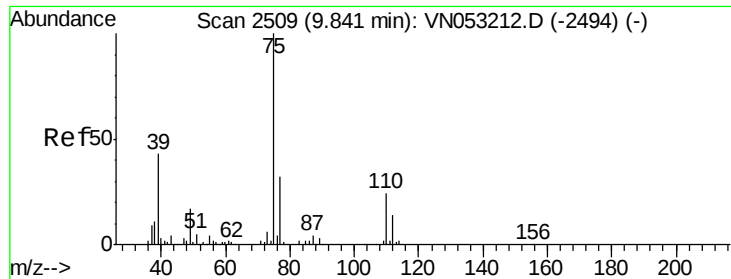
MMDadoda
1/7/2019 11:10:06 AM



#48
t-1,3-Dichloropropene
Concen: 19.670 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion: 75 Resp: 230077
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 19.864 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

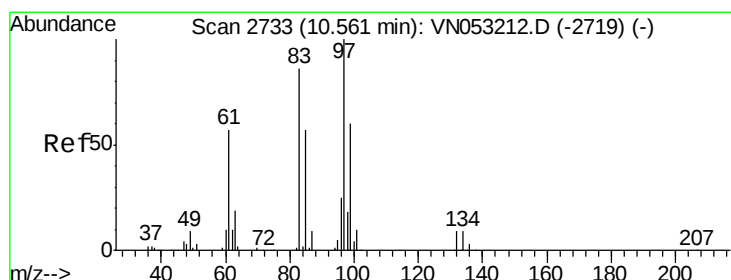
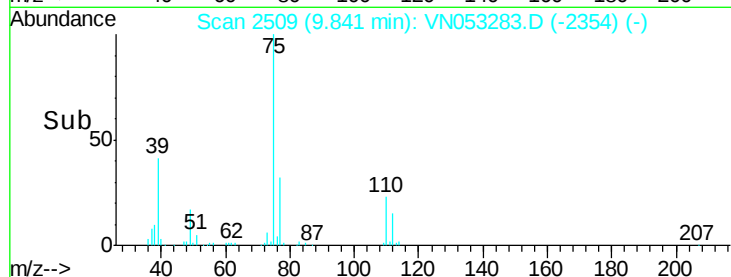
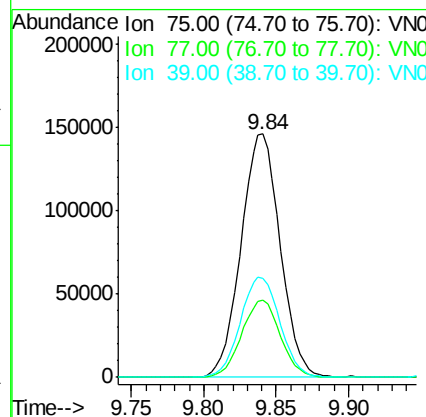
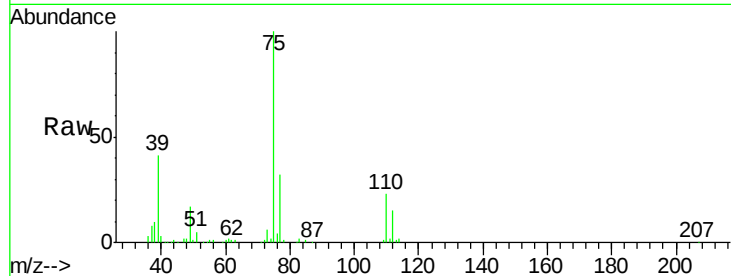
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	273594
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	40.7	37.3	55.9

Manual Integrations
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1/7/2019 11:10:06 AM



#50

1,1,2-Trichloroethane

Concen: 21.443 ug/l

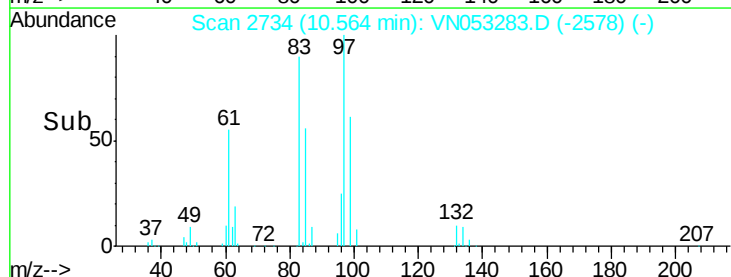
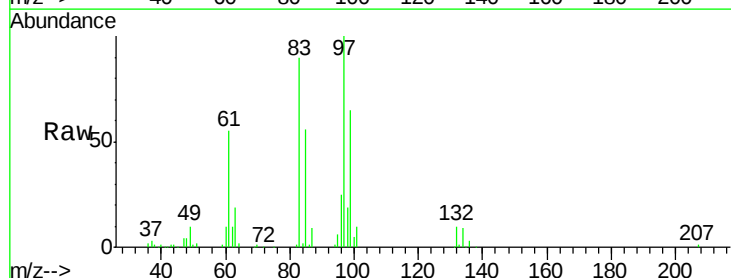
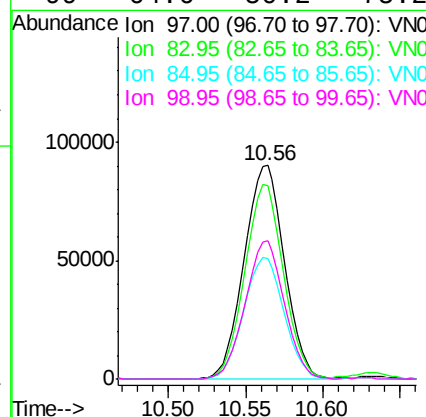
RT: 10.56 min Scan# 2734

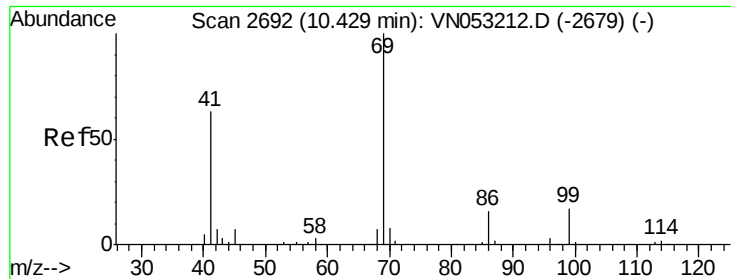
Delta R.T. 0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Tgt Ion:	97	Resp:	164072
Ion	Ratio	Lower	Upper
97	100		
83	90.4	70.4	105.6
85	56.5	45.0	67.6
99	64.6	50.2	75.2





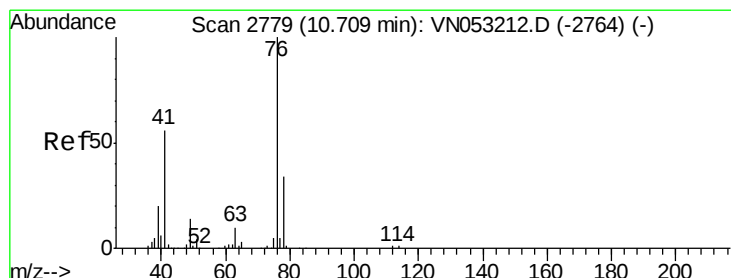
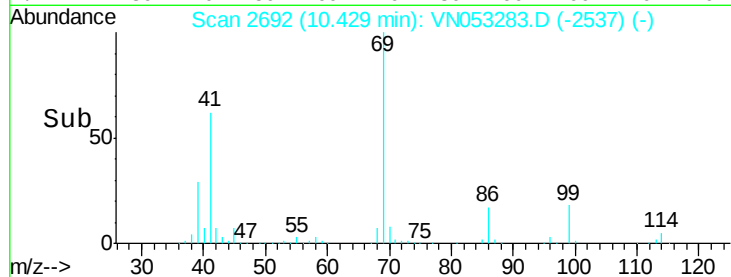
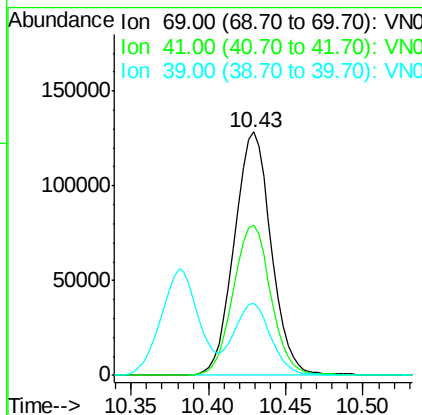
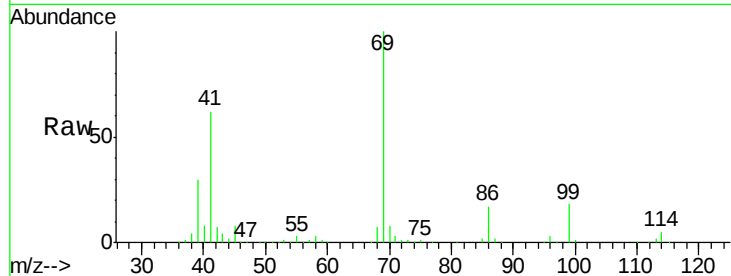
#51
Ethyl methacrylate
Concen: 21.399 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	61.5	34.4	103.3
39	29.3	16.4	49.2

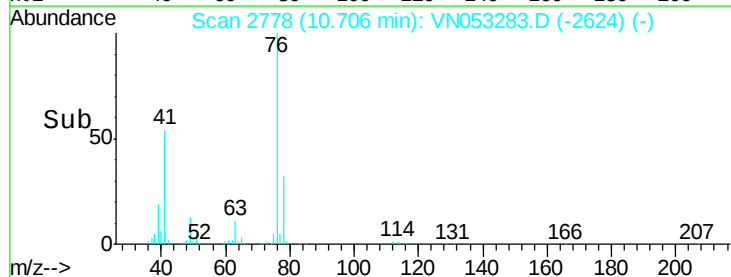
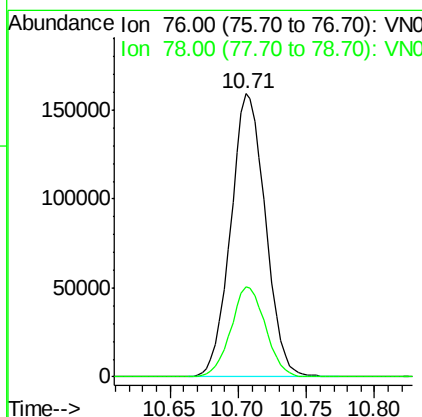
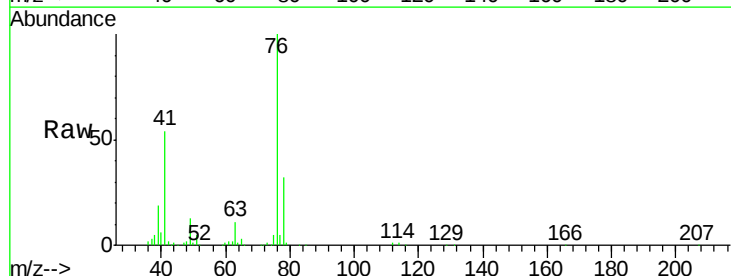
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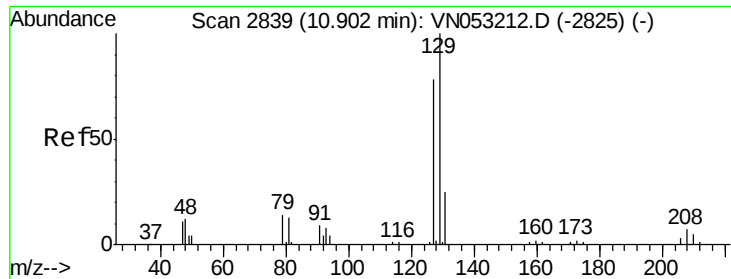
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#52
1,3-Dichloropropane
Concen: 21.332 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	64.8





#53

Dibromochloromethane

Concen: 20.881 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 179446

Ion Ratio Lower Upper

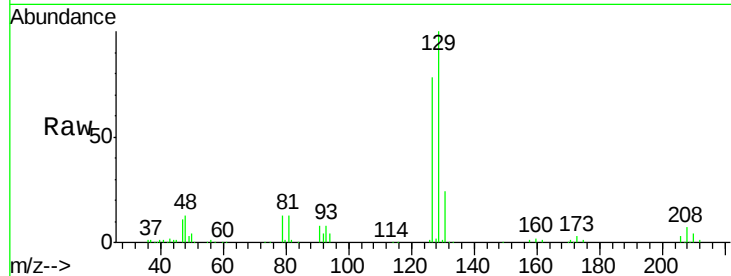
129 100

127 76.5 37.6 112.8

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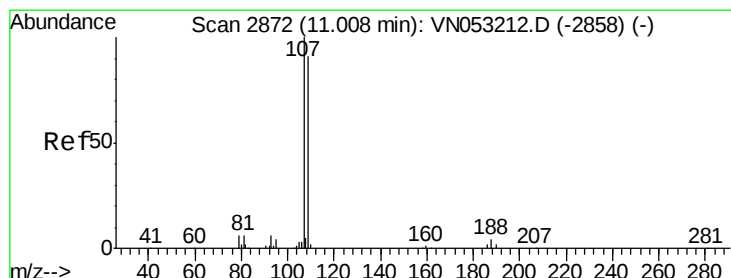
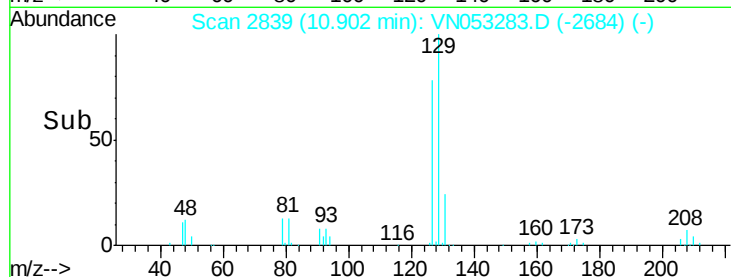
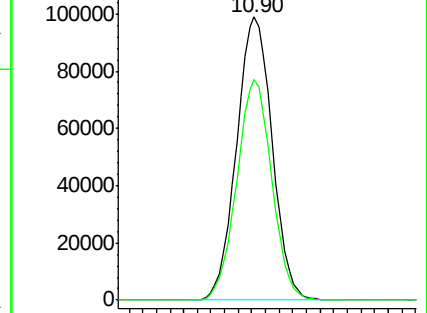
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.160 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053283.D

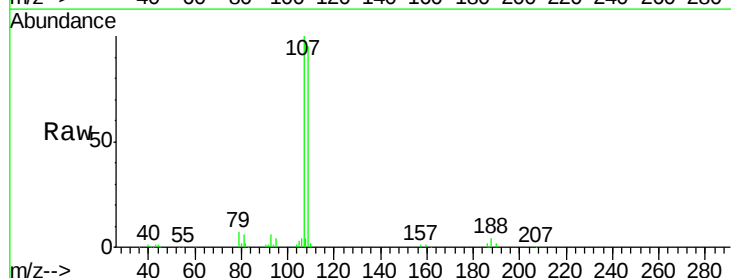
Acq: 4 Jan 2019 15:46

Tgt Ion:107 Resp: 163331

Ion Ratio Lower Upper

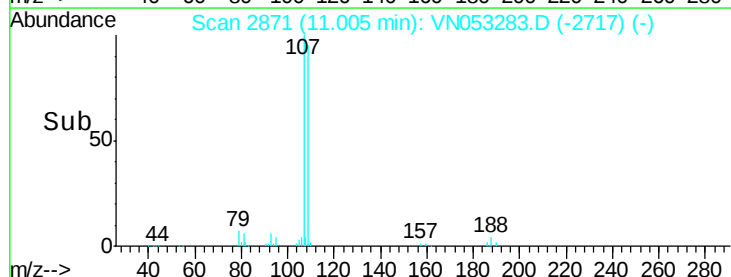
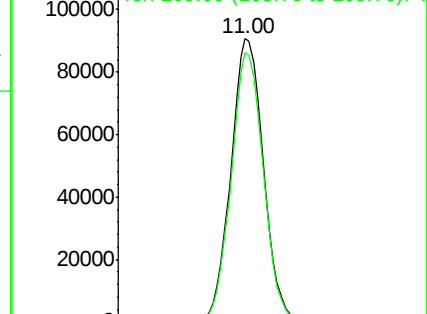
107 100

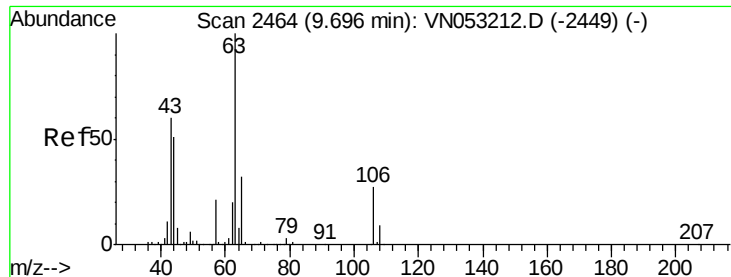
109 94.1 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 106.847 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

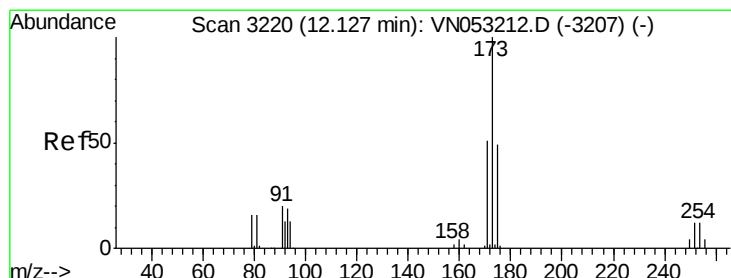
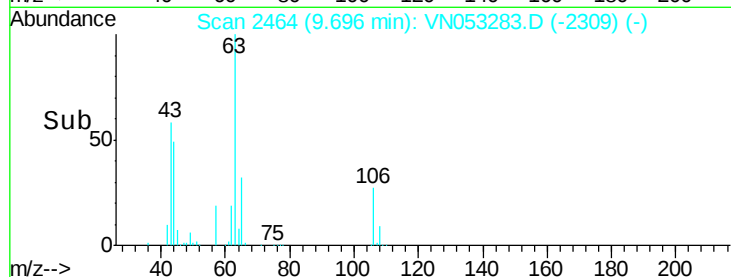
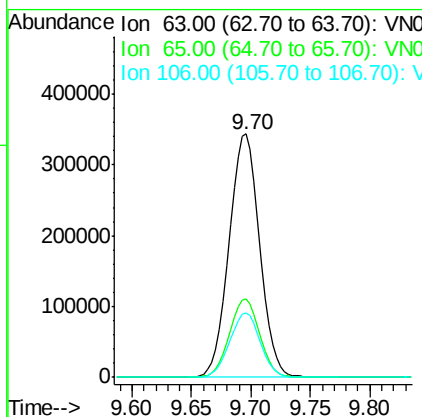
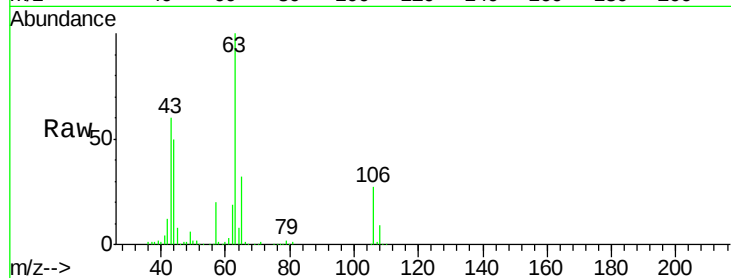
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	611488
Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.2
106	26.6	20.4	30.6

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#56

Bromoform

Concen: 21.204 ug/l

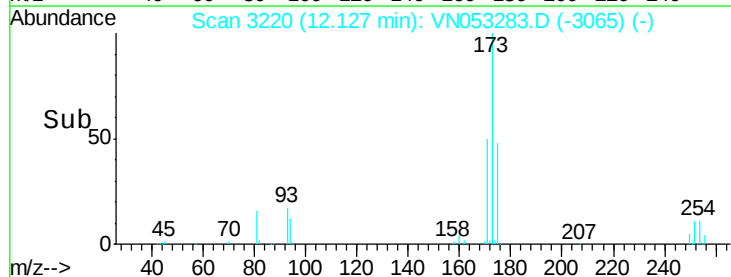
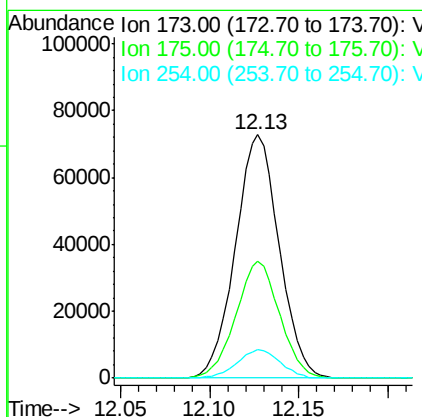
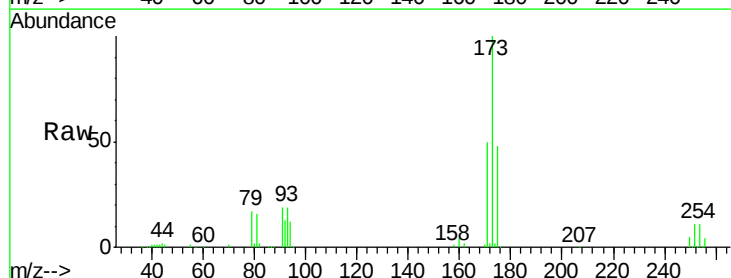
RT: 12.13 min Scan# 3220

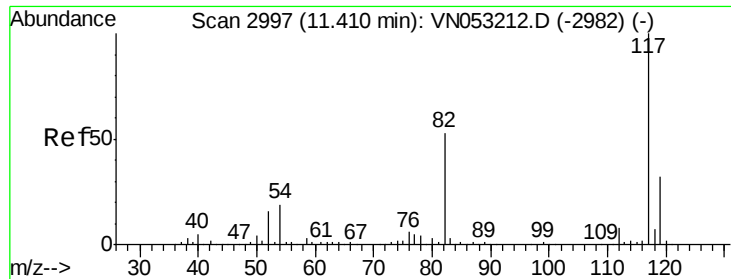
Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Tgt Ion:	173	Resp:	124655
Ion	Ratio	Lower	Upper
173	100		
175	48.1	38.7	58.1
254	11.5	8.4	12.6





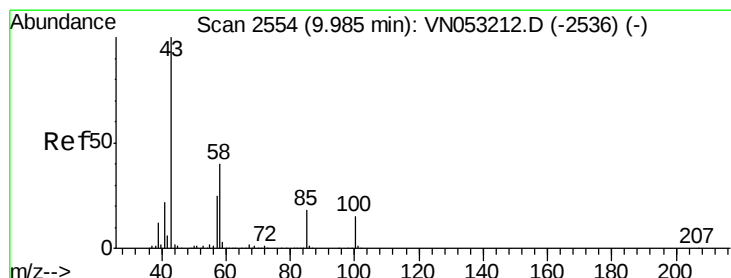
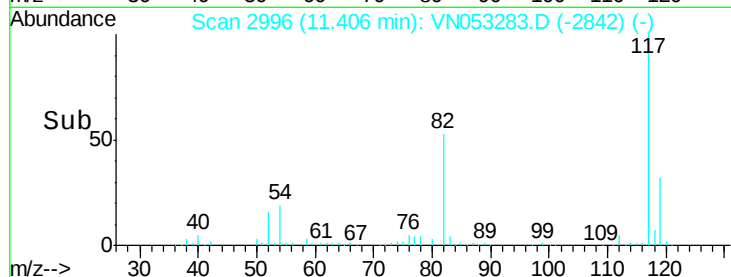
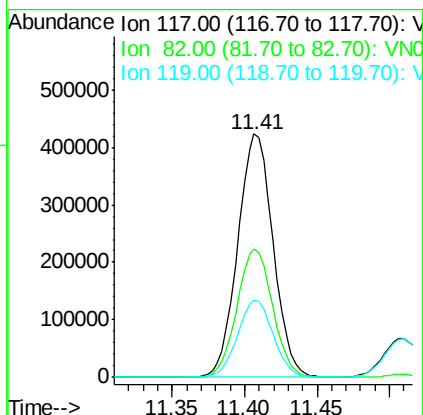
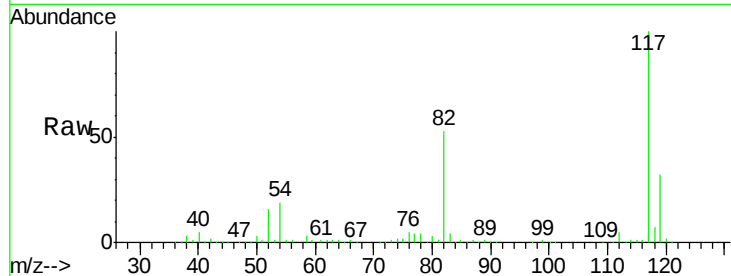
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	44.2	66.2
119	31.9	25.4	38.2

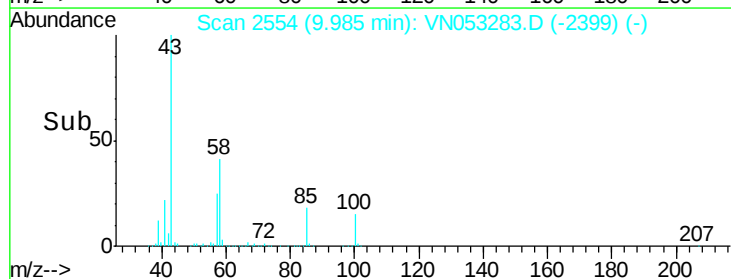
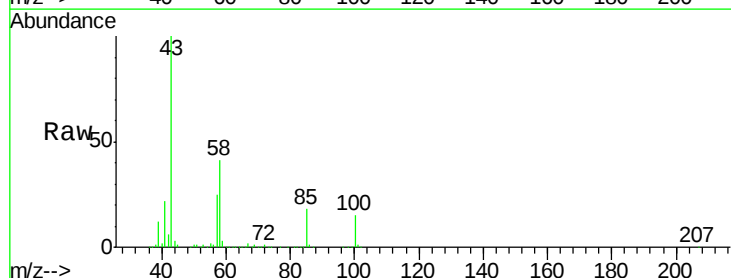
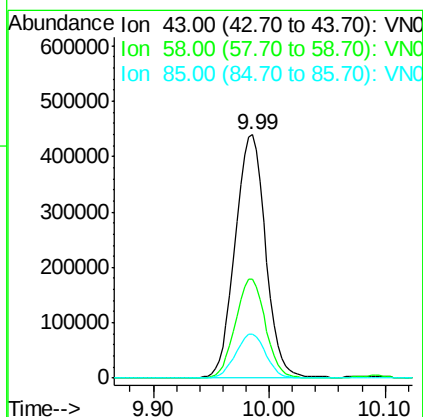
Manual Integrations
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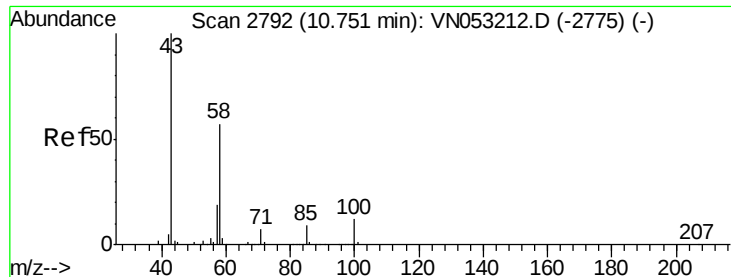
MMDadoda
1/7/2019 11:10:06 AM



#58
4-Methyl-2-Pentanone
Concen: 116.601 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.5	31.6	47.4
85	18.0	13.3	19.9





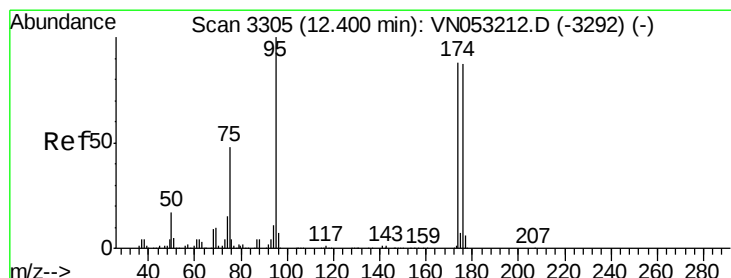
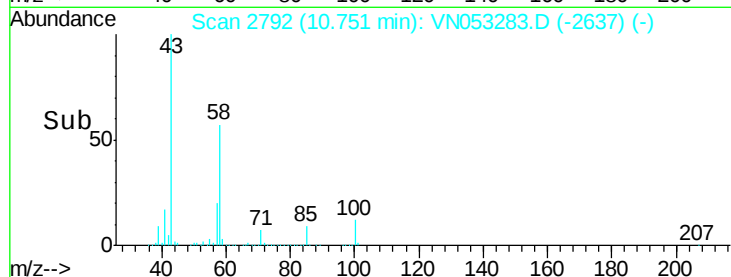
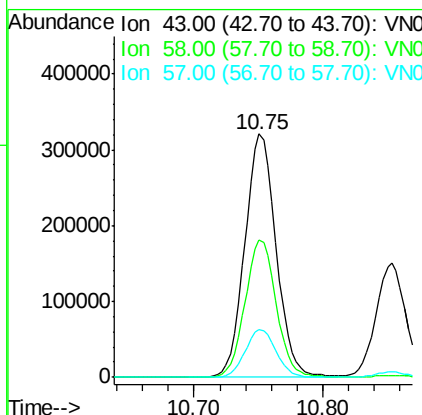
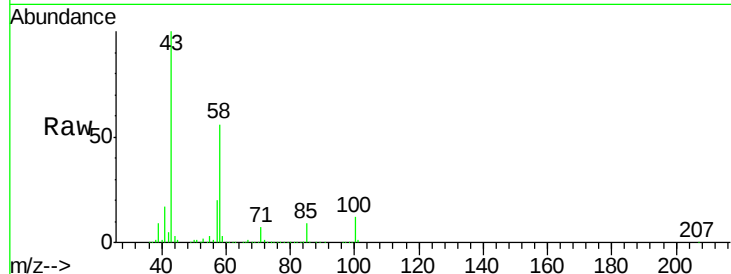
#59
2-Hexanone
Concen: 114.565 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.4	43.2	64.8
57	19.5	14.9	22.3

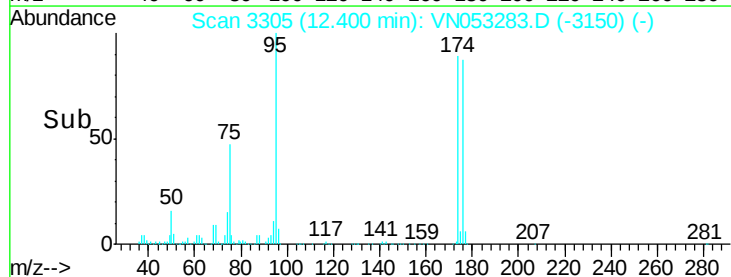
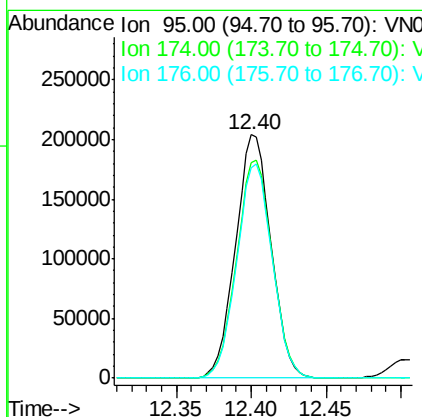
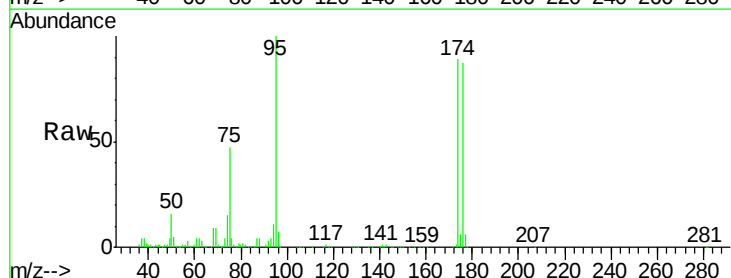
Manual Integrations
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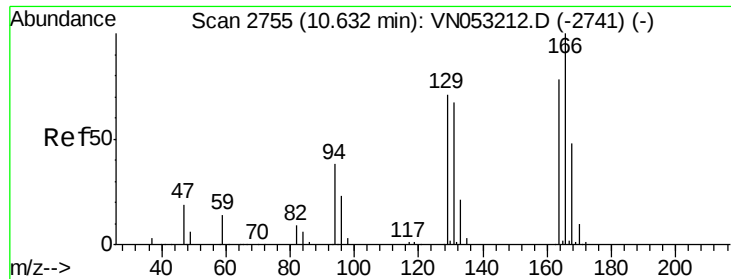
MMDadoda
1/7/2019 11:10:06 AM



#60
4-Bromofluorobenzene
Concen: 114.565 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.3	67.9	101.9
176	88.1	66.4	99.6





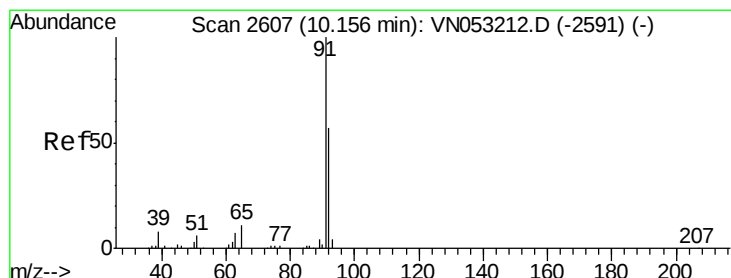
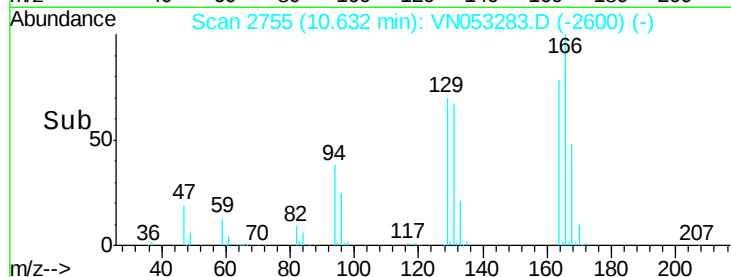
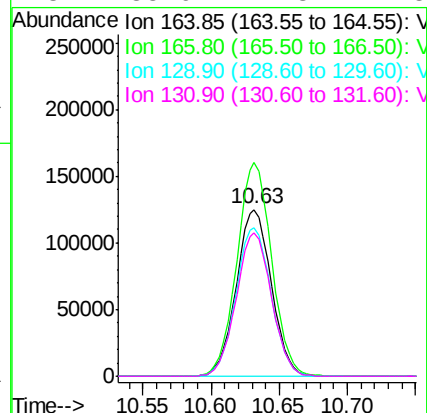
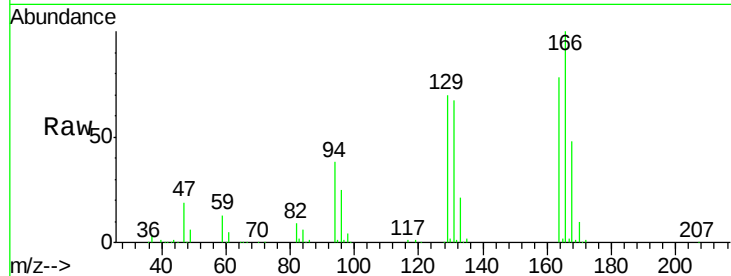
#61
Tetrachloroethene
Concen: 20.970 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.4	104.6	157.0
129	89.6	75.3	112.9
131	85.9	74.3	111.5

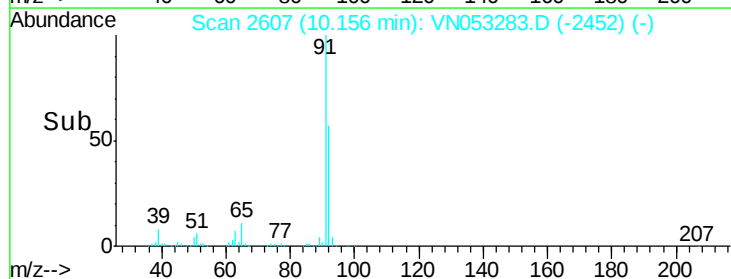
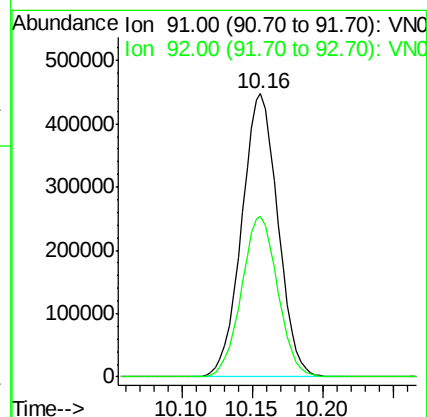
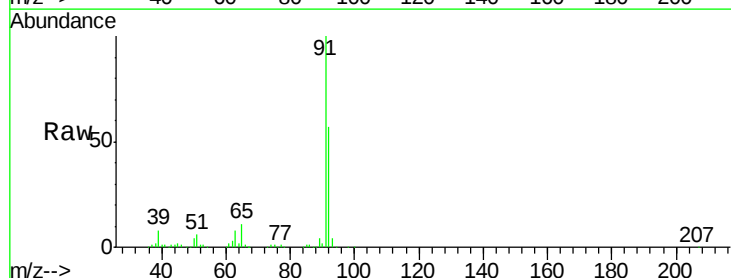
Manual Integrations
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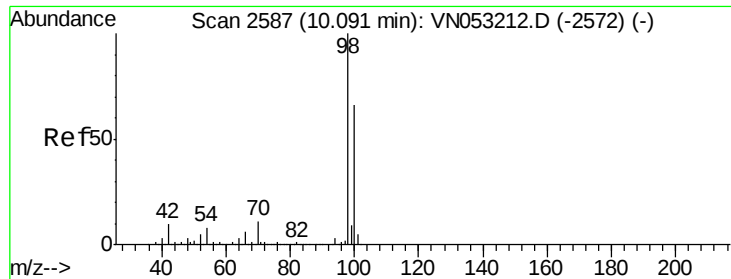
MMDadoda
1/7/2019 11:10:06 AM



#62
Toluene
Concen: 20.420 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.7	45.4	68.2





#63

Toluene-d8

Concen: 20.420 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 965745

Ion Ratio Lower Upper

98 100

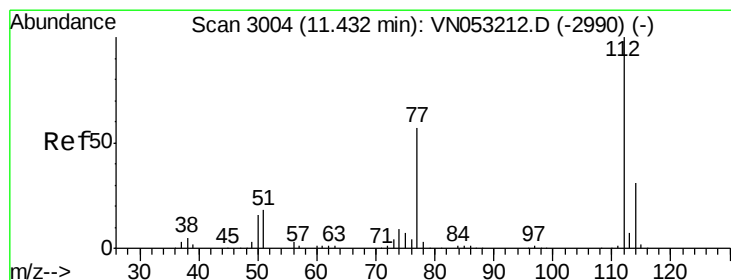
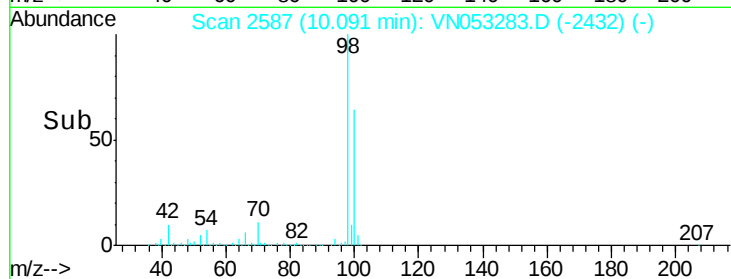
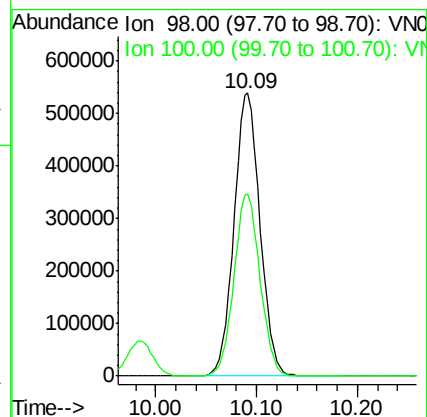
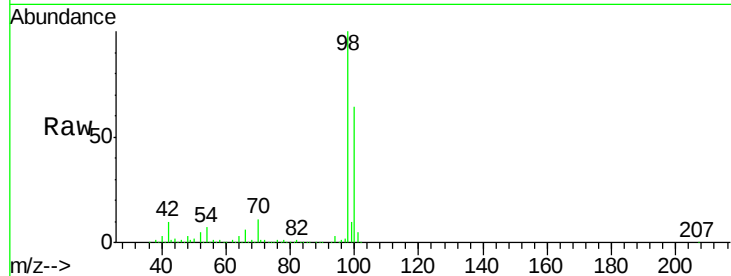
100 64.3 51.1 76.7

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#64

Chlorobenzene

Concen: 20.530 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053283.D

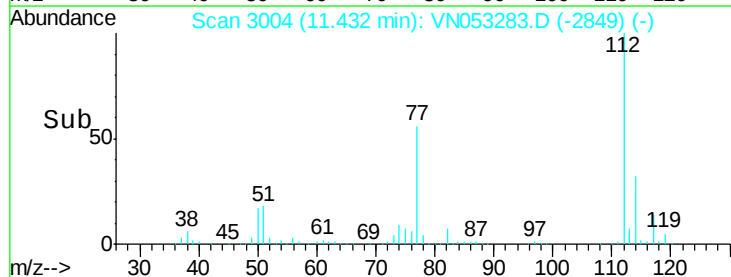
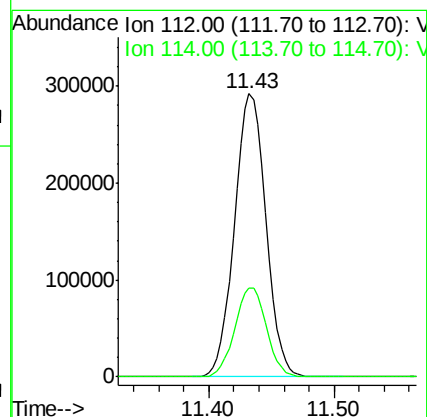
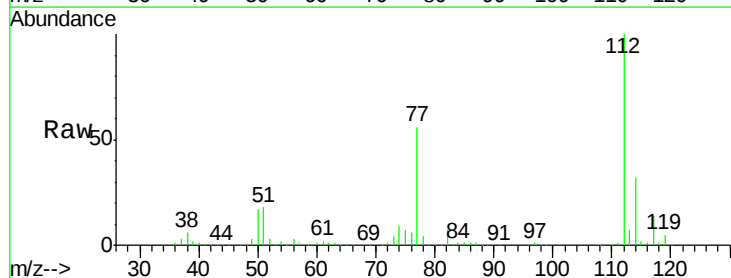
Acq: 4 Jan 2019 15:46

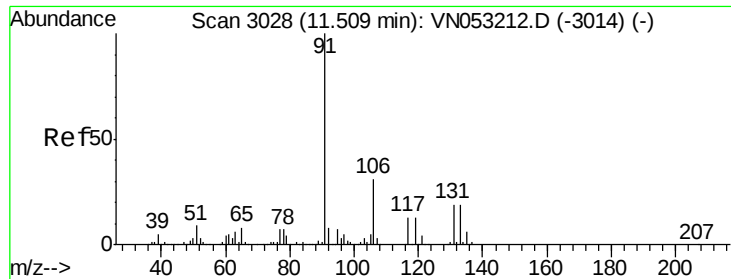
Tgt Ion: 112 Resp: 507487

Ion Ratio Lower Upper

112 100

114 31.6 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.562 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

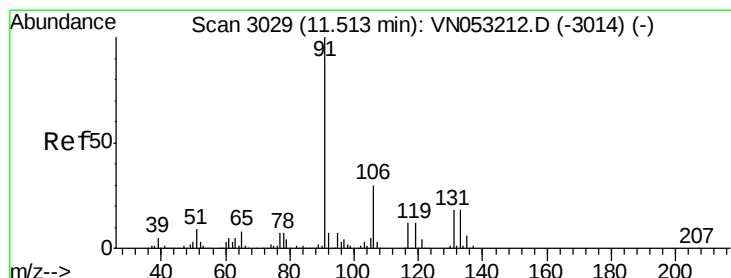
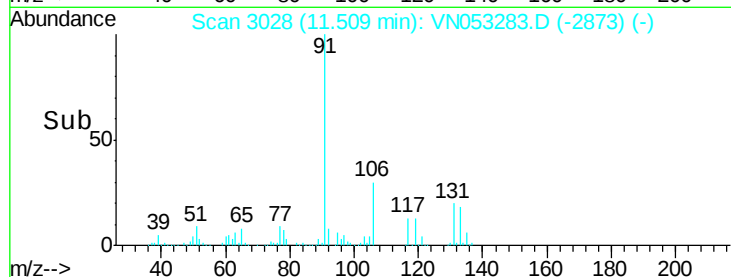
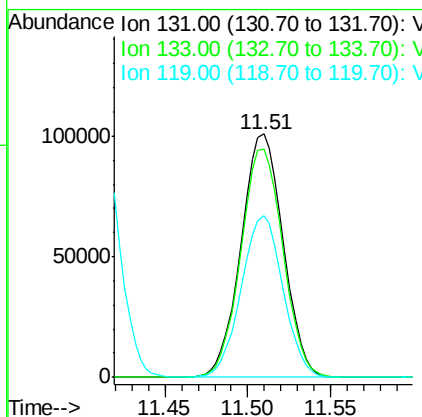
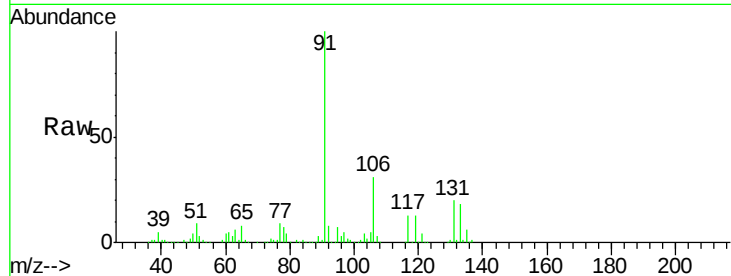
ClientSampled :

VSTDCCC020EC

Tot Ion:	131	Resp:	178297
Ion Ratio	Lower	Upper	
131	100		
133	94.1	0.0	193.4
119	65.9	0.0	133.0

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1/7/2019 11:10:06 AM



#66

Ethyl Benzene

Concen: 20.370 ug/l

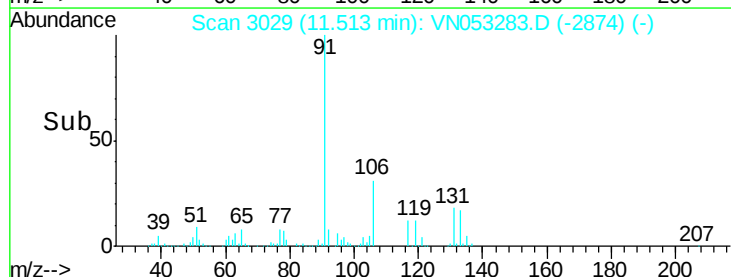
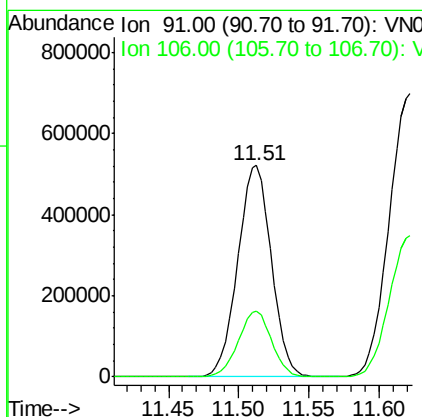
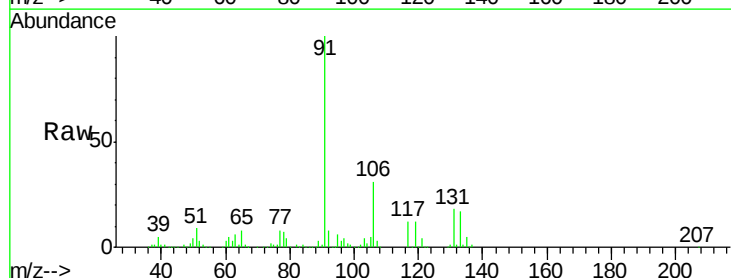
RT: 11.51 min Scan# 3029

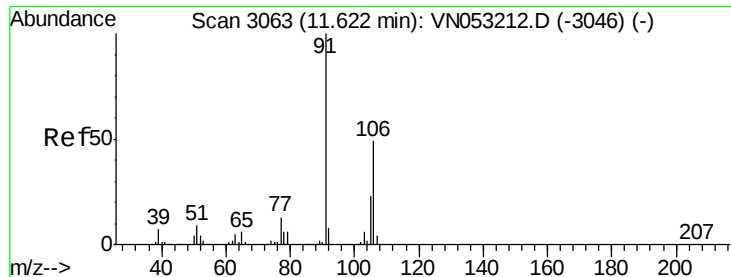
Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Tgt Ion:	91	Resp:	870164
Ion Ratio	Lower	Upper	
91	100		
106	31.1	24.3	36.5





#67

m/p-Xylenes

Concen: 41.523 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion:106 Resp: 670861

Ion Ratio Lower Upper

106 100

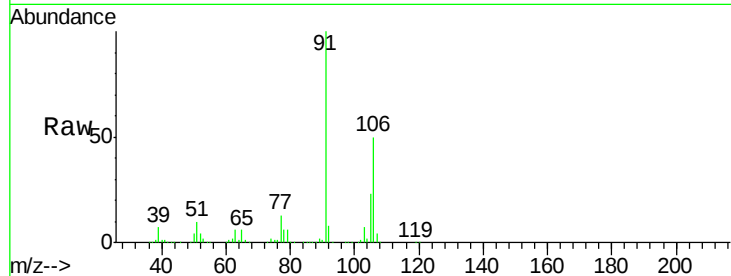
91 201.6 163.9 245.9

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

800000

600000

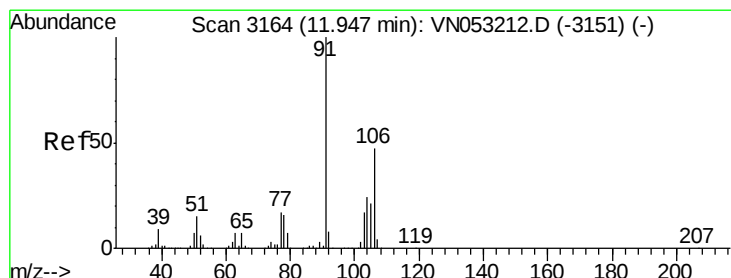
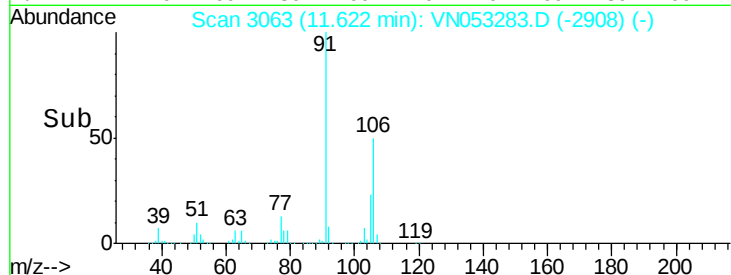
400000

200000

0

11.62

Time-->



#68

o-Xylene

Concen: 20.475 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053283.D

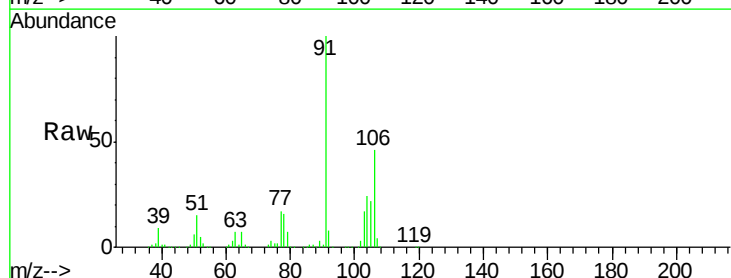
Acq: 4 Jan 2019 15:46

Tgt Ion:106 Resp: 320553

Ion Ratio Lower Upper

106 100

91 213.5 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

300000

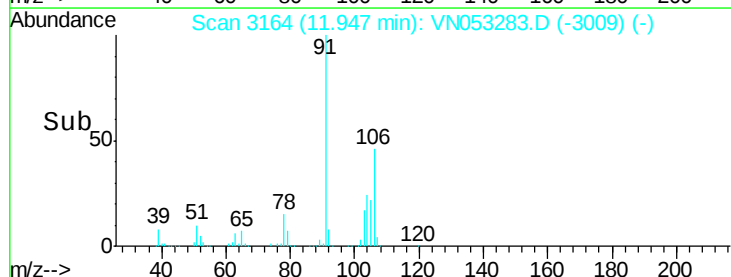
200000

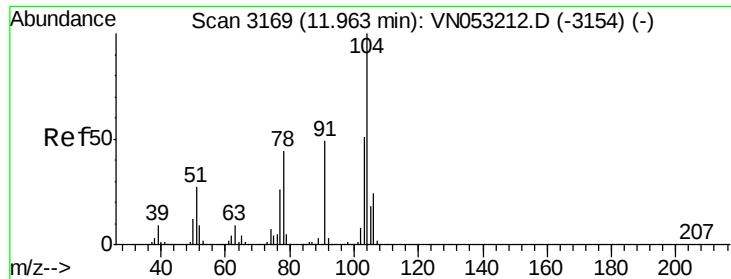
100000

0

11.95

Time-->





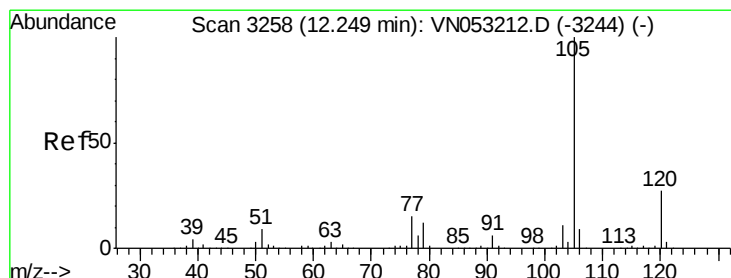
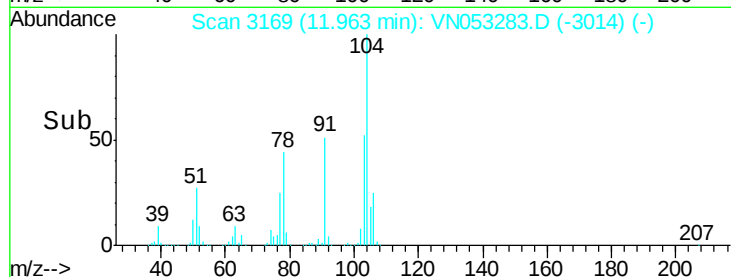
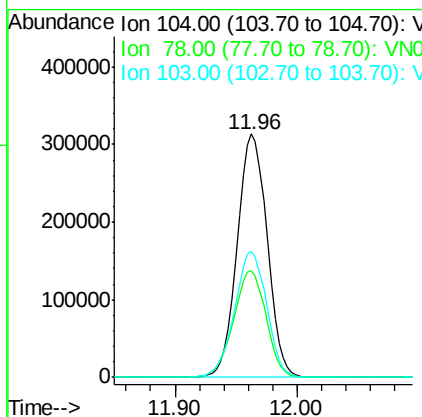
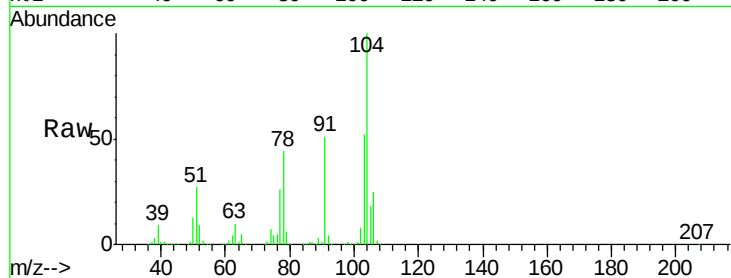
#69
Stvrene
Concen: 20.784 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.8	39.3	58.9
103	55.6	44.6	66.8

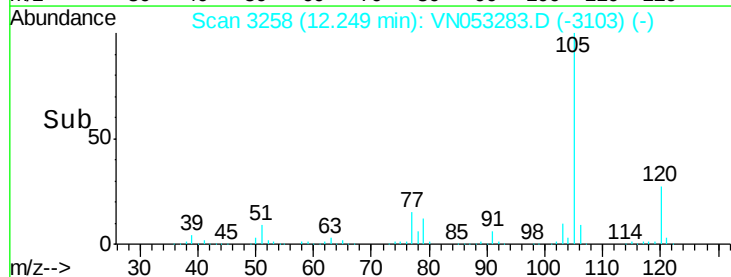
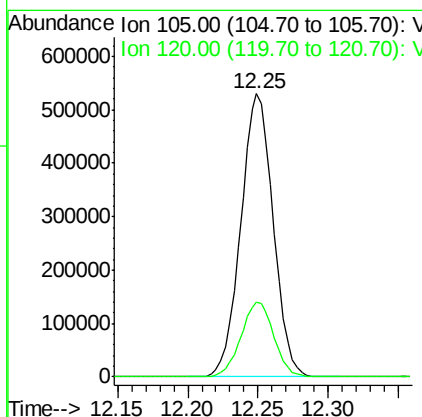
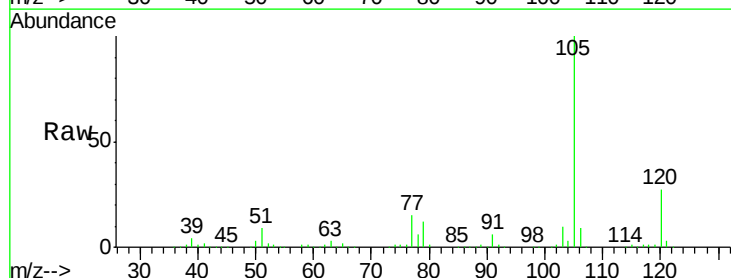
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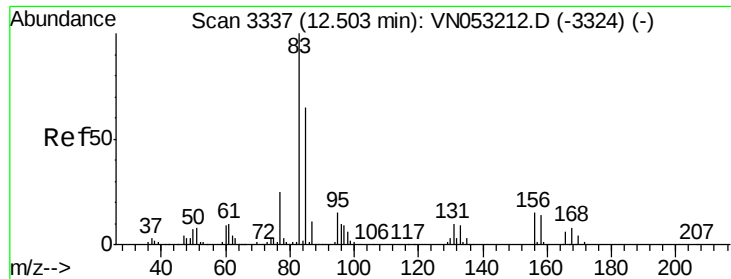
MMDadoda
1/7/2019 11:10:06 AM



#70
Isopropylbenzene
Concen: 20.669 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	18.6	34.6





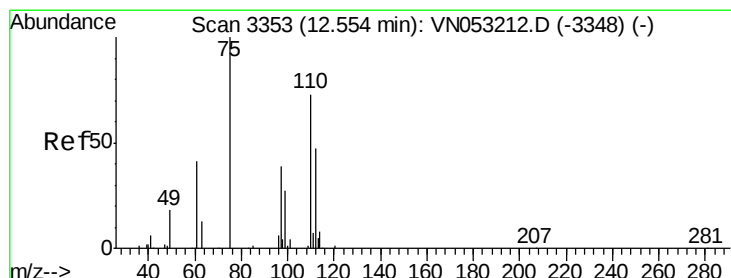
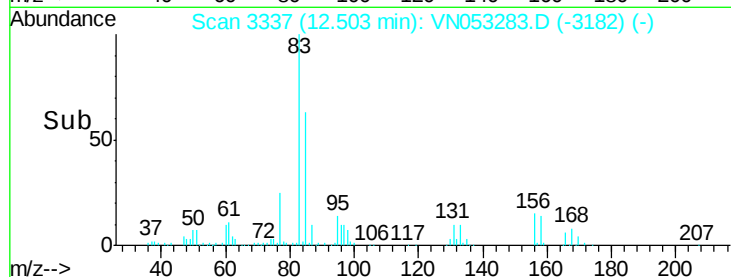
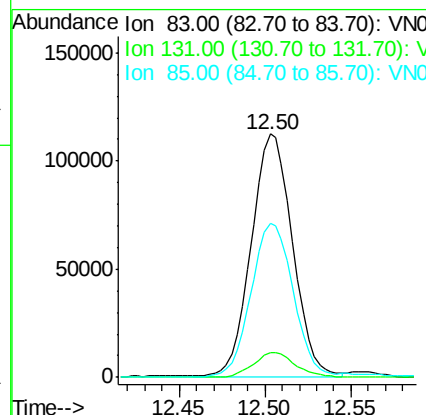
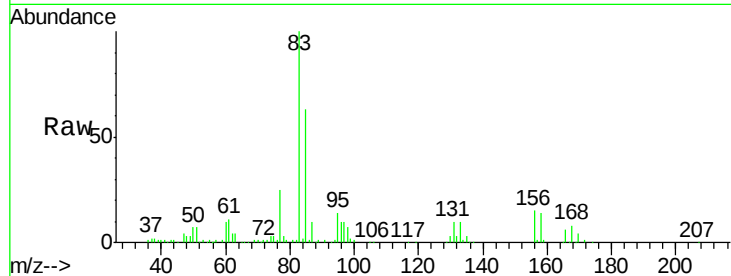
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.718 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.6
85	63.5	32.2	96.6

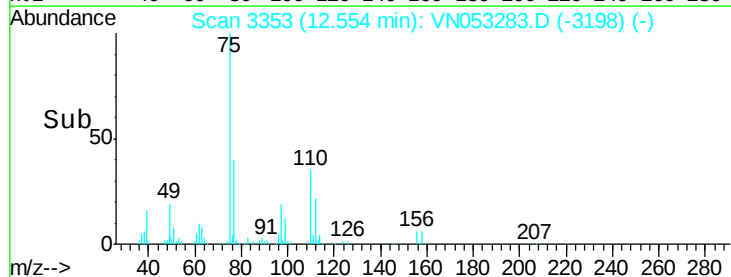
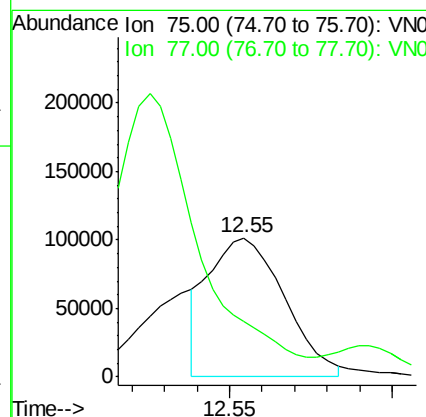
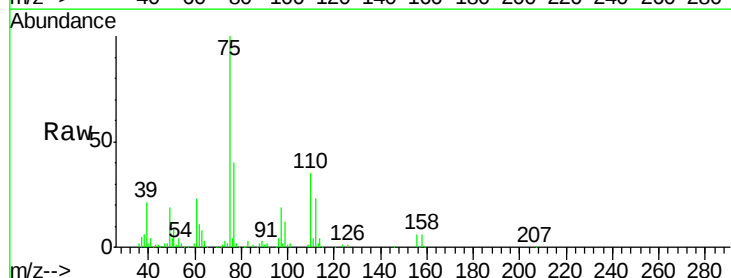
Manual Integrations
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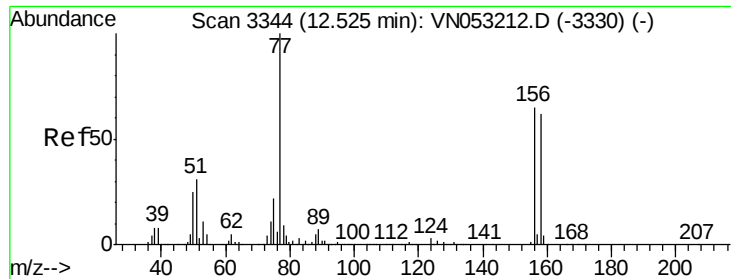
MMDadoda
 1/7/2019 11:10:06 AM



#72
 1,2,3-Trichloropropane
 Concen: 21.663 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	240.7	0.0	514.8





#73

Bromobenzene

Concen: 20.896 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

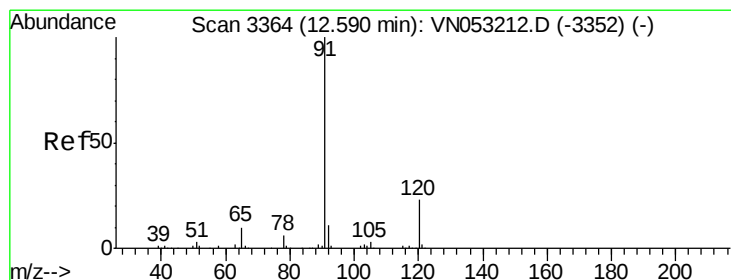
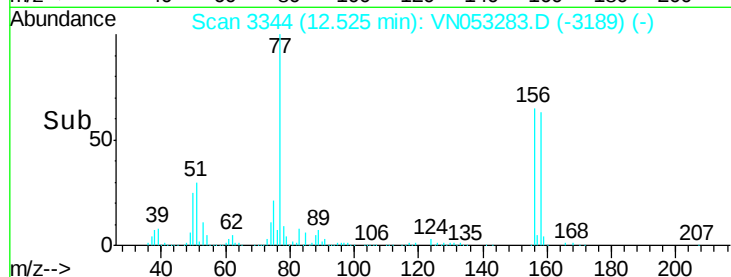
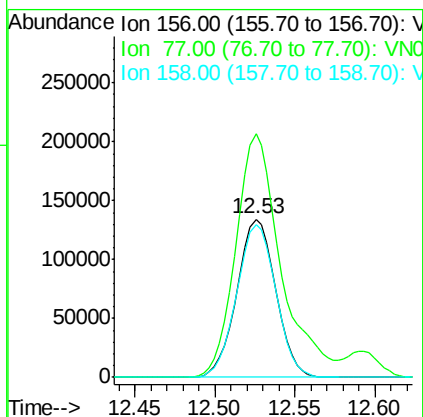
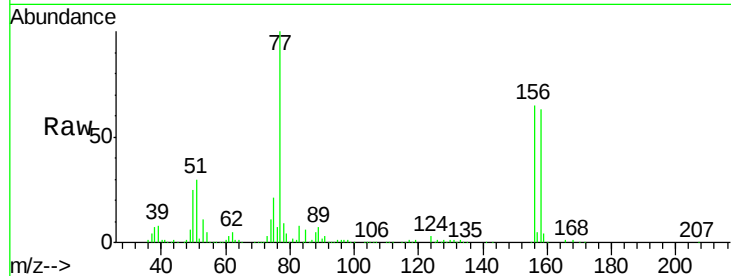
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.0	0.0	382.6
158	97.9	0.0	196.8

Manual Integrations
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1/7/2019 11:10:06 AM



#74

n-propylbenzene

Concen: 21.256 ug/l

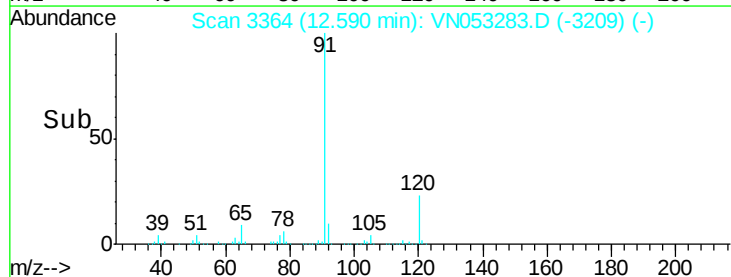
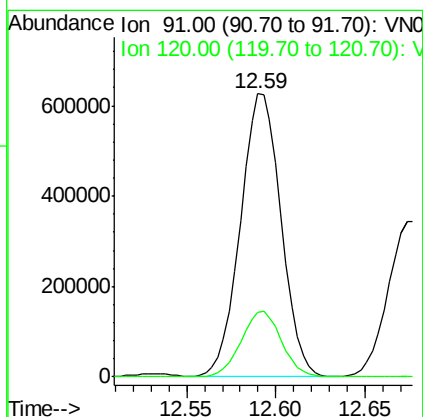
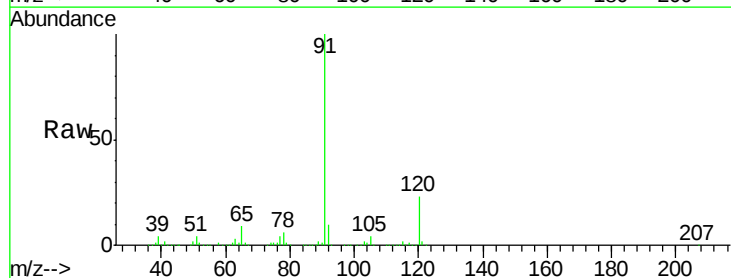
RT: 12.59 min Scan# 3364

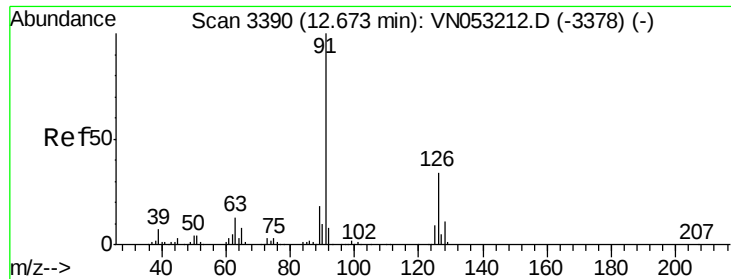
Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	0.0	44.6





#75

2-Chlorotoluene

Concen: 21.004 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 580034

Ion Ratio Lower Upper

91 100

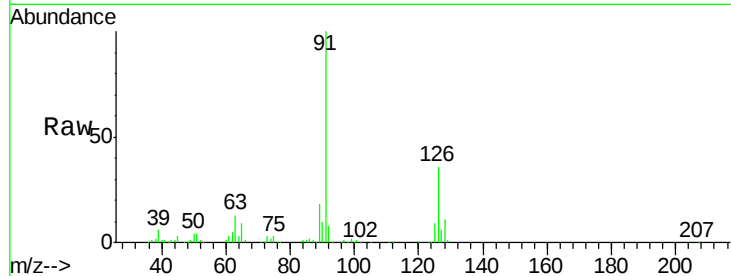
126 35.3 0.0 68.4

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Abundance Ion 91.00 (90.70 to 91.70): VN053212.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN053212.D (-3378) (-)

500000

400000

300000

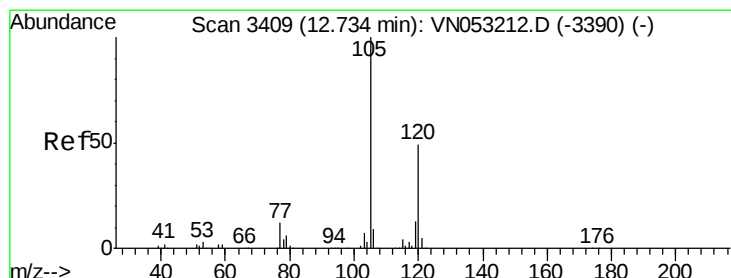
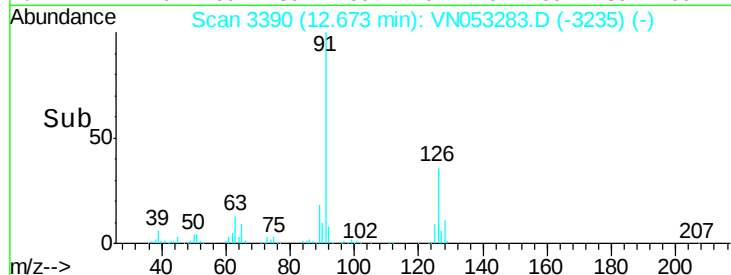
200000

100000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 21.340 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN053283.D

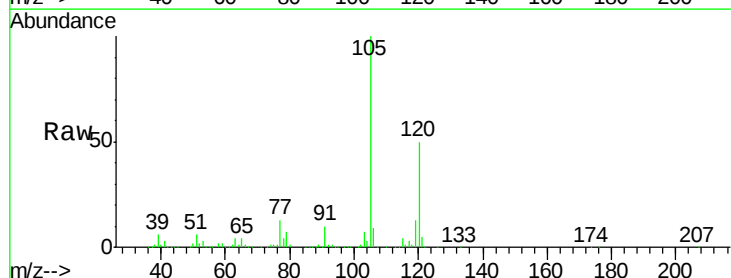
Acq: 4 Jan 2019 15:46

Tgt Ion: 105 Resp: 697304

Ion Ratio Lower Upper

105 100

120 49.3 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN053212.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN053212.D (-3390) (-)

500000

400000

300000

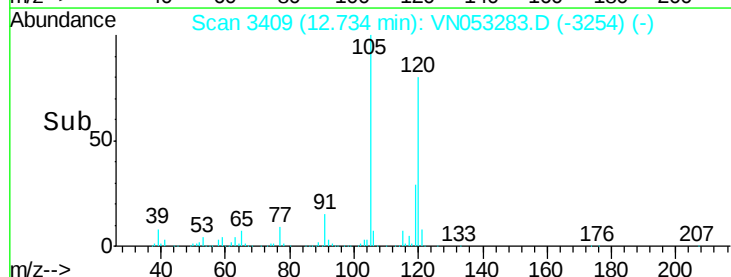
200000

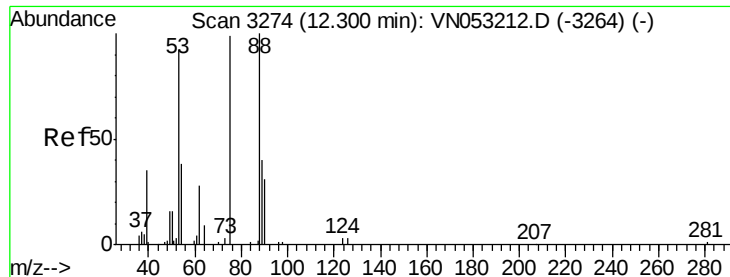
100000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 19.438 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 51862

Ion Ratio Lower Upper

75 100

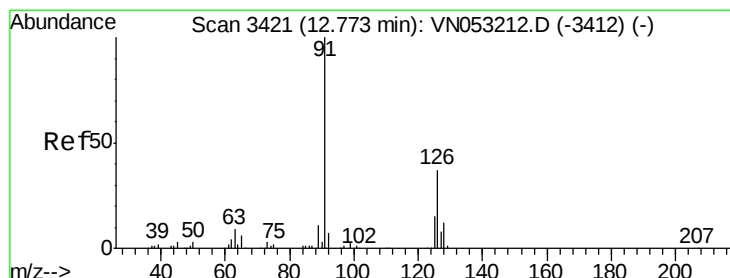
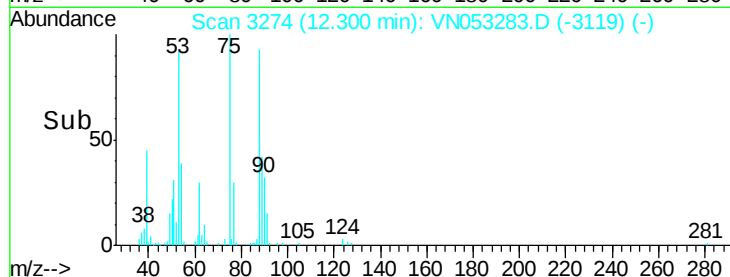
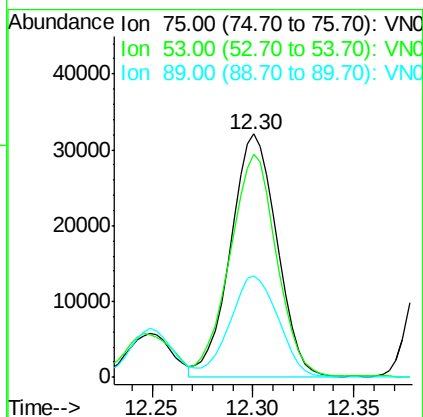
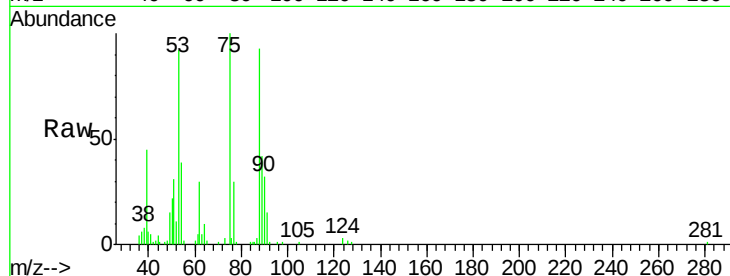
53 90.9 48.5 145.6

89 41.8 21.7 65.1

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#78

4-Chlorotoluene

Concen: 21.179 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053283.D

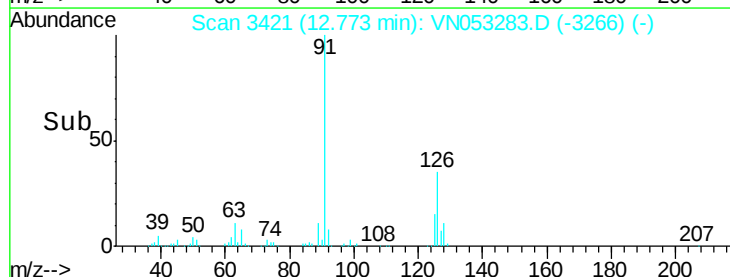
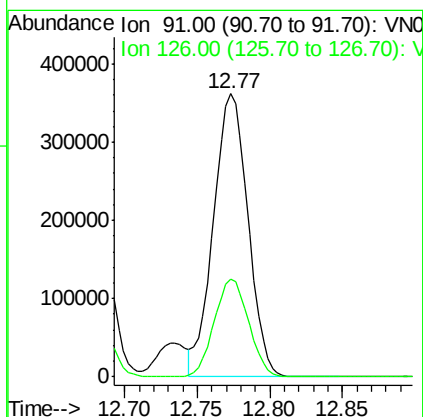
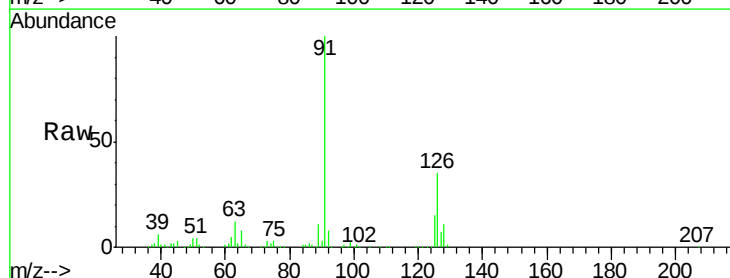
Acq: 4 Jan 2019 15:46

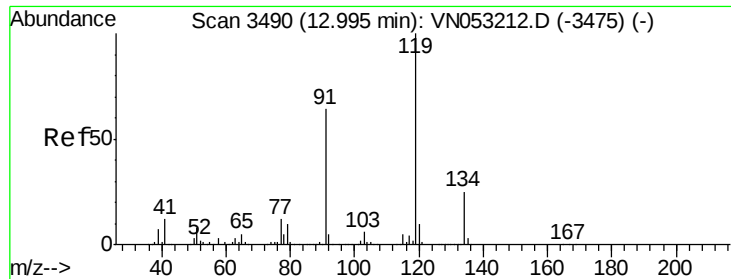
Tgt Ion: 91 Resp: 595357

Ion Ratio Lower Upper

91 100

126 34.6 0.0 68.2





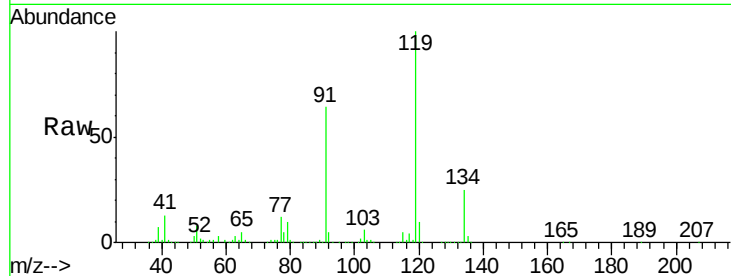
#79
tert-butylbenzene
Concen: 21.185 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

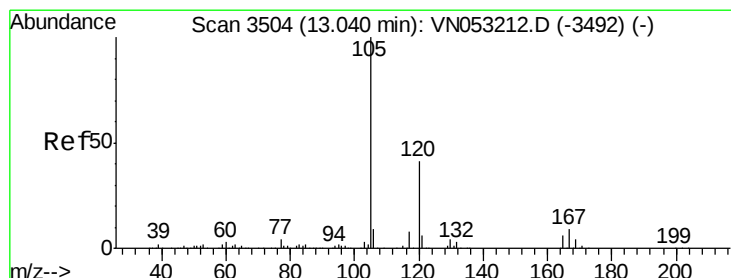
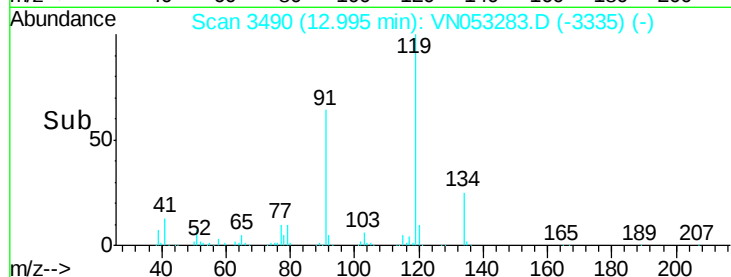
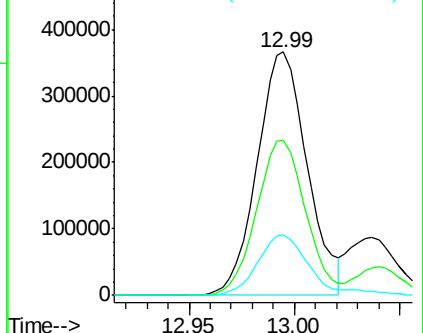
Tot Ion	Ratio	Resp	Lower	Upper
119	100	603716		
91	62.5	0.0	129.8	
134	25.8	0.0	52.2	

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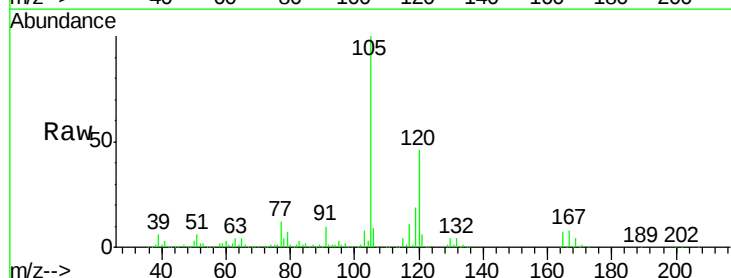


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

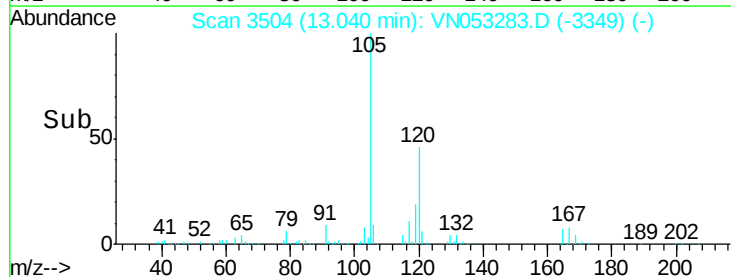
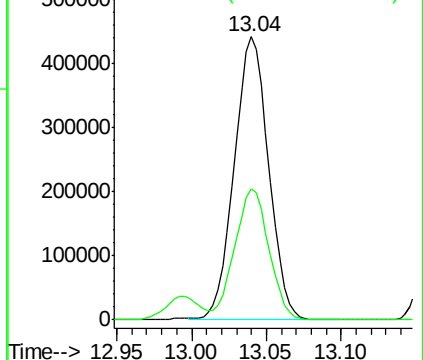


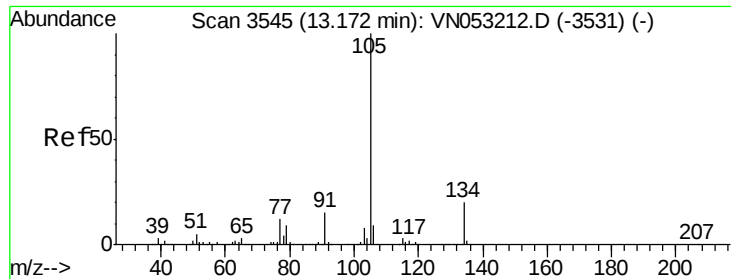
#80
1,2,4-Trimethylbenzene
Concen: 21.527 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	704994		
120	46.3	0.0	91.0	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





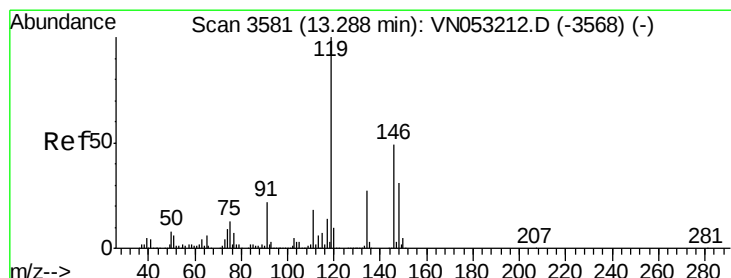
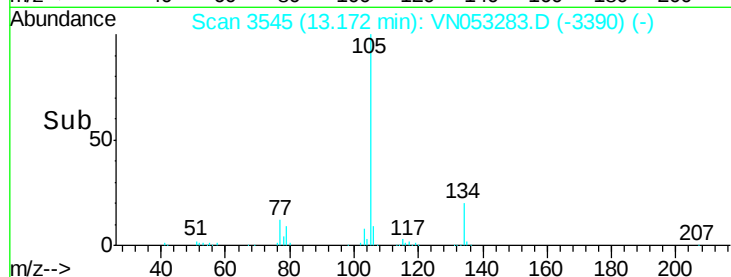
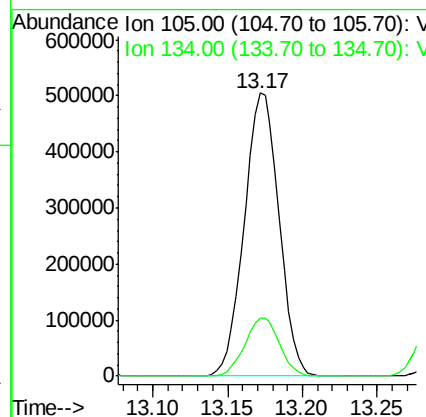
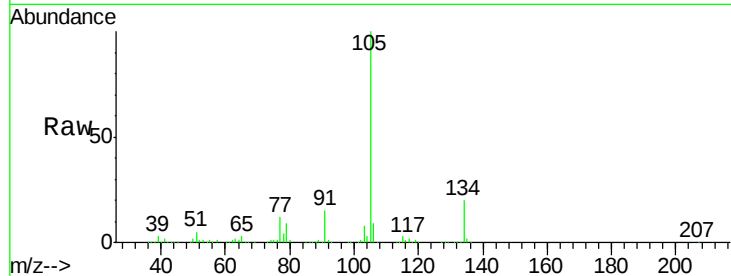
#81
 sec-Butylbenzene
 Concen: 21.628 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	0.0	40.4

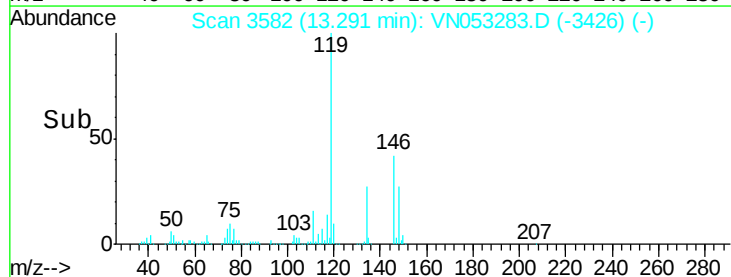
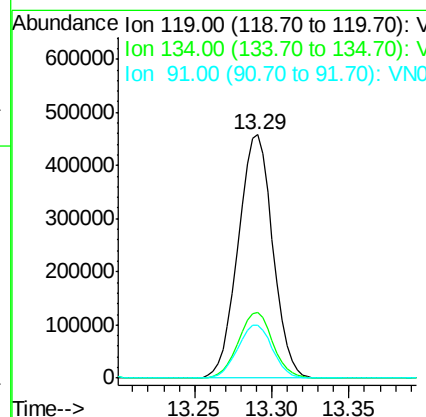
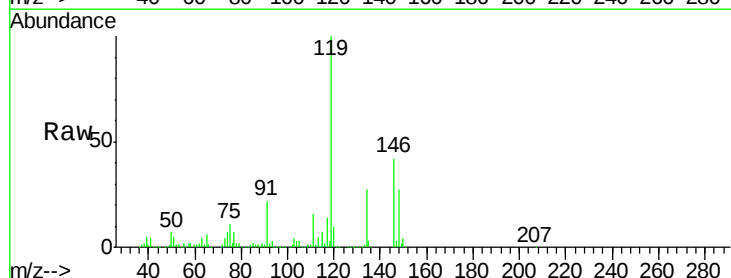
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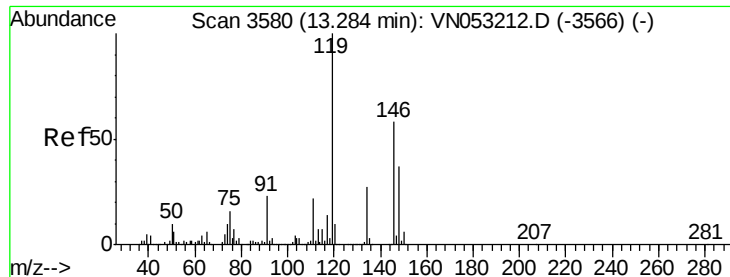
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#82
 p-Isopropyltoluene
 Concen: 21.718 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	0.0	52.6
91	22.1	0.0	46.2





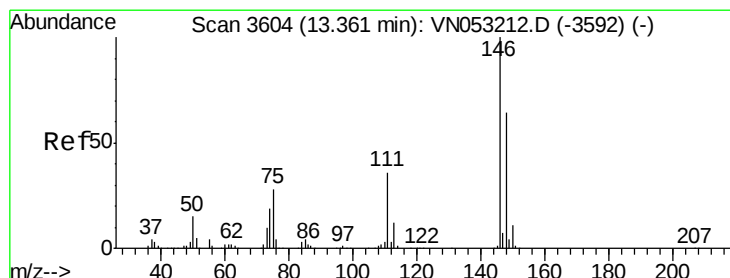
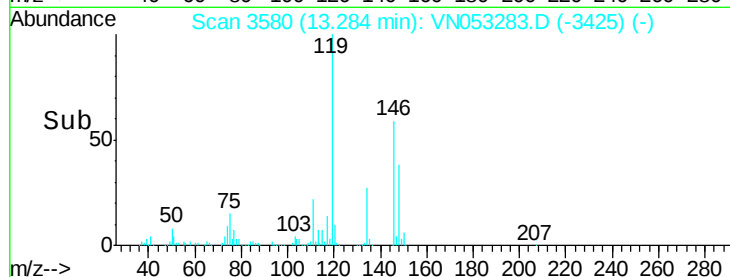
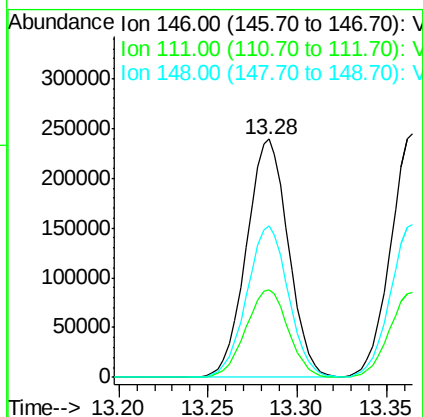
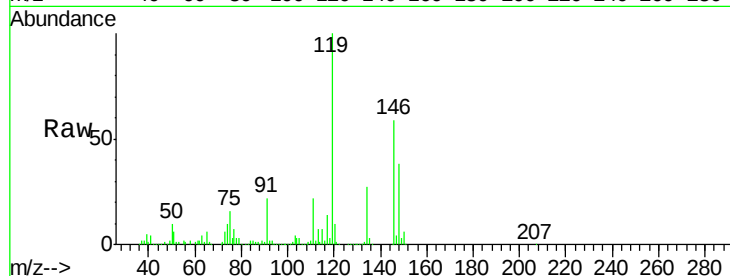
#83
1,3-Dichlorobenzene
Concen: 21.805 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.7	59.0
148	63.2	32.3	96.8

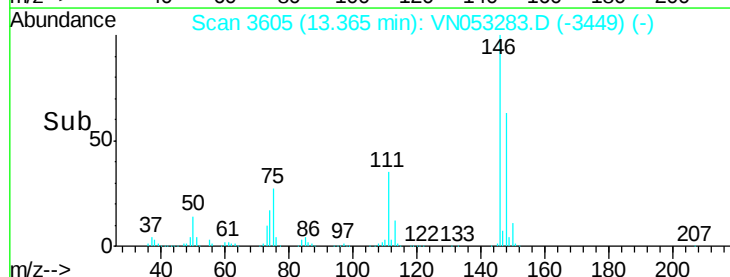
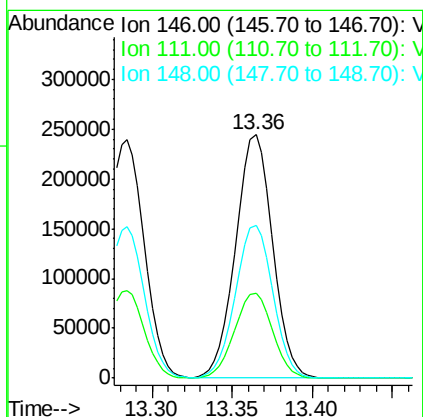
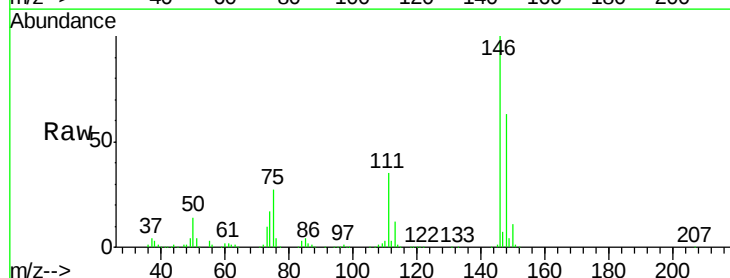
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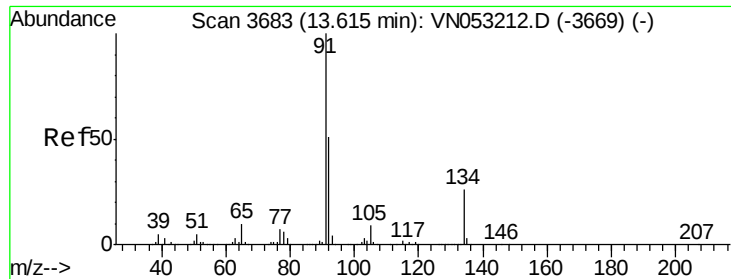
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#84
1,4-Dichlorobenzene
Concen: 21.925 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.8	56.3
148	63.7	32.5	97.4





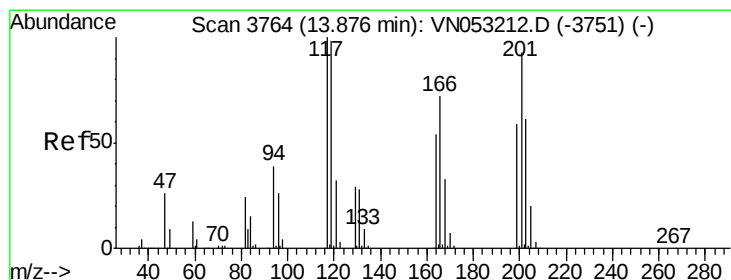
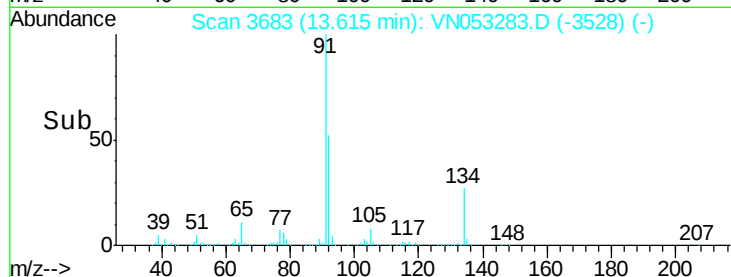
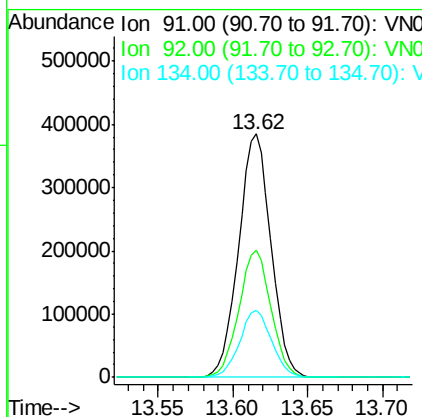
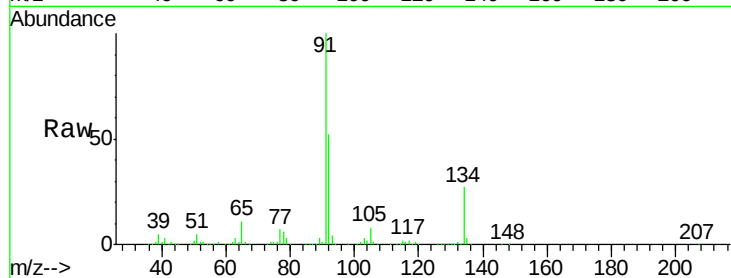
#85
n-Butylbenzene
Concen: 21.835 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	579020		
92	51.8		0.0	104.2
134	27.1		0.0	50.6

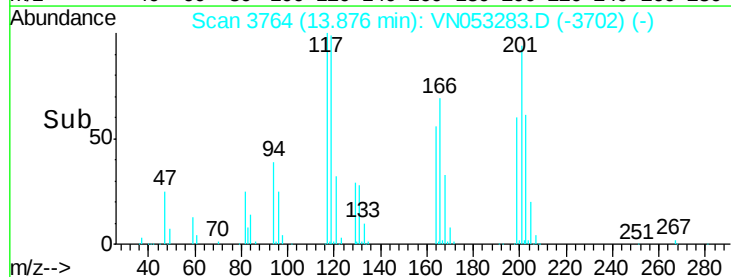
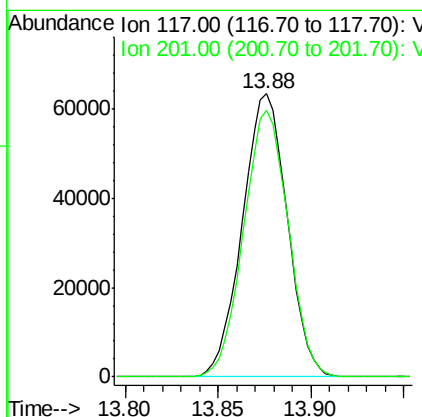
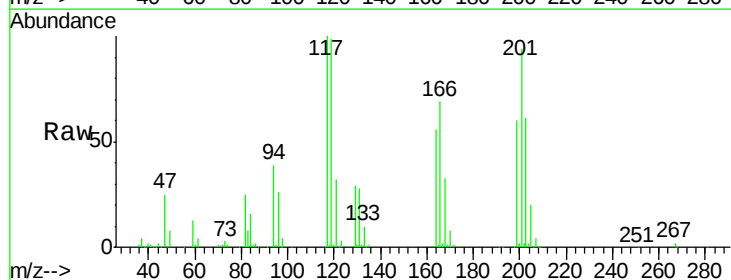
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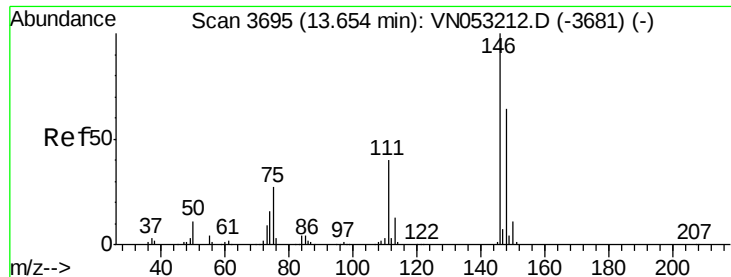
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#86
Hexachloroethane
Concen: 20.474 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	106595		
201	93.5		43.8	131.3





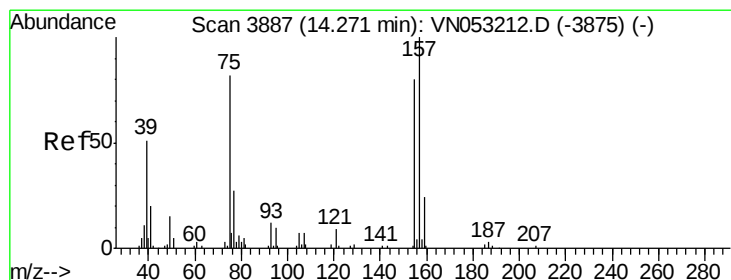
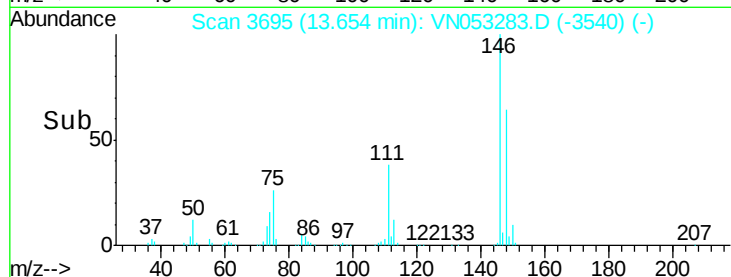
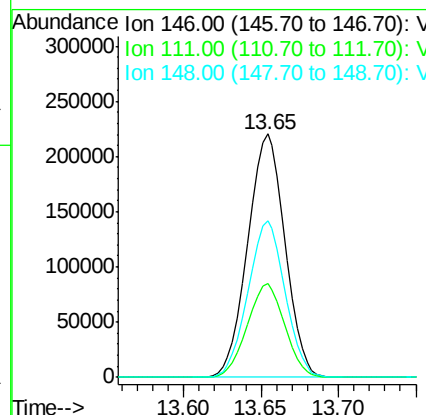
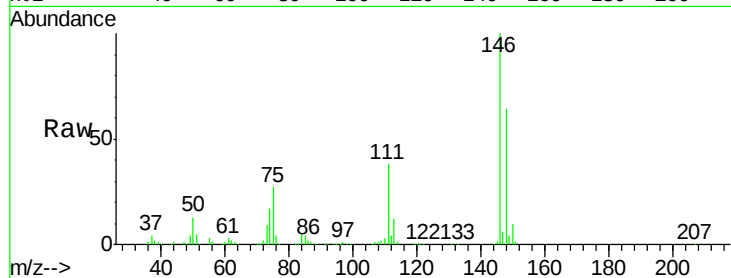
#87
 1,2-Dichlorobenzene
 Concen: 22.109 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.3	60.8
148	63.9	32.1	96.5

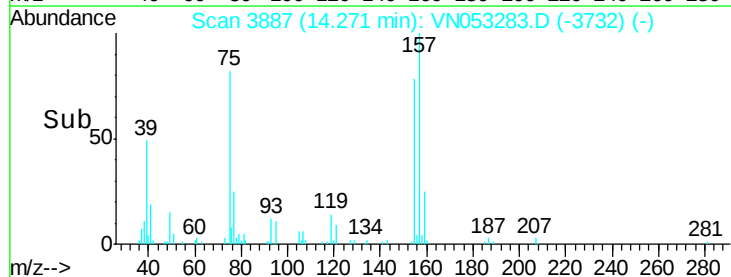
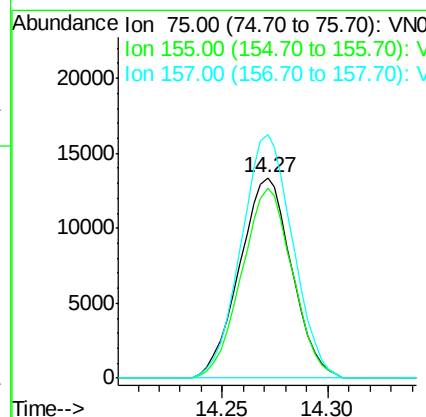
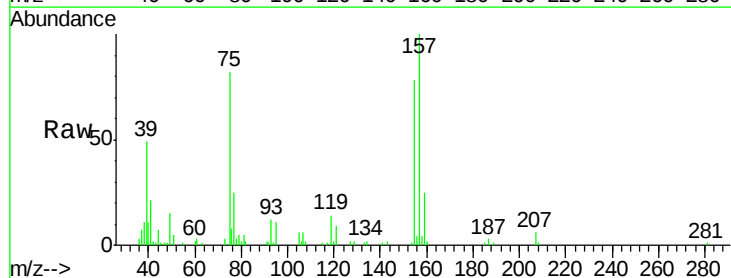
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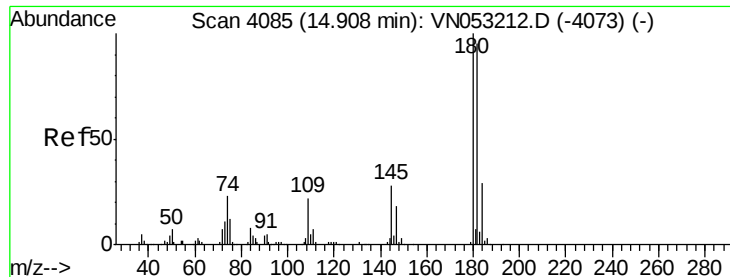
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 1/7/2019 11:10:06 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.556 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	72.2	108.2
157	120.0	94.2	141.2





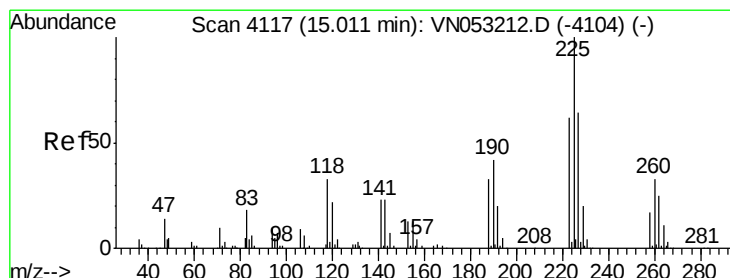
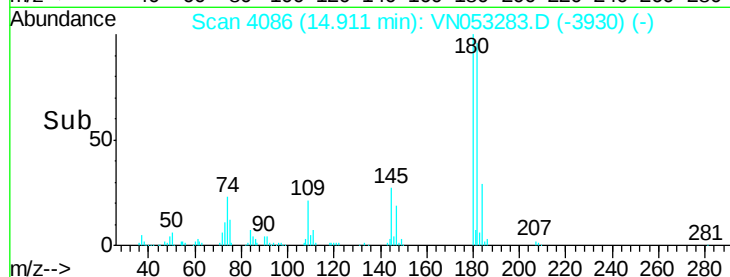
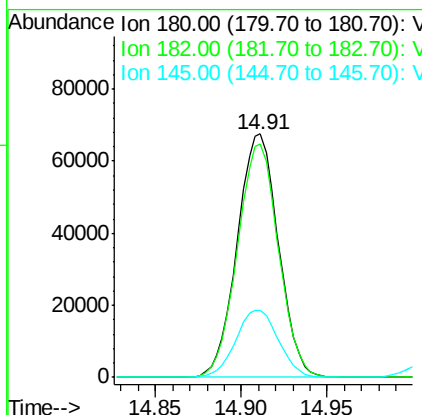
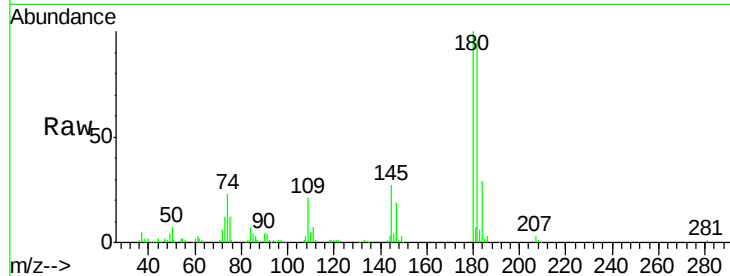
#89
 1,2,4-Trichlorobenzene
 Concen: 13.807 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
145	28.7	23.6	35.4

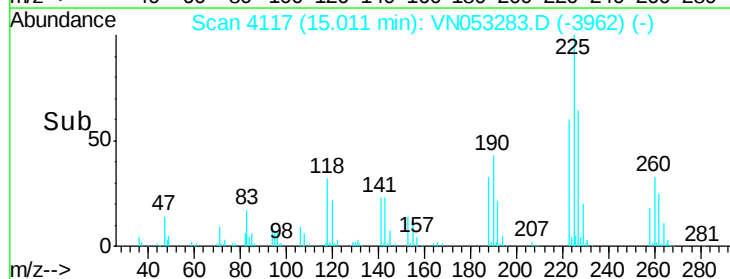
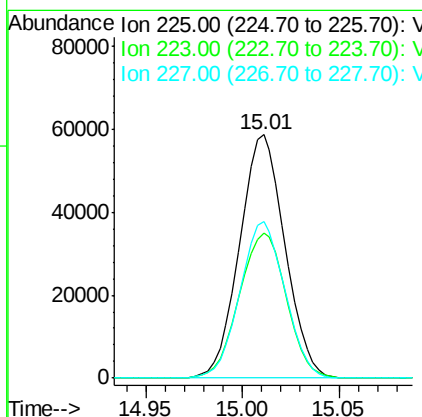
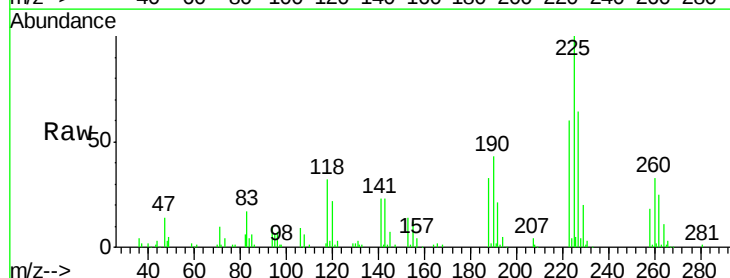
Manual Integrations
 APPROVED

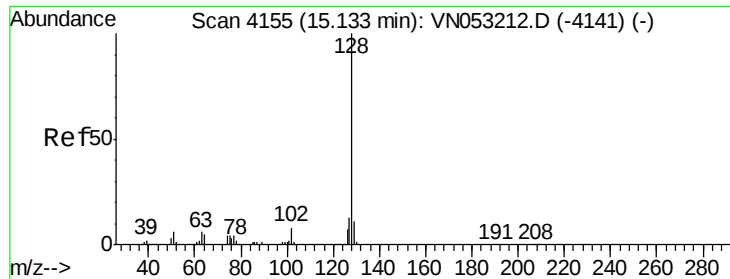
MMDadoda
 1/7/2019 11:10:06 AM



#90
 Hexachlorobutadiene
 Concen: 19.449 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	0.0	125.6
227	63.8	0.0	127.8





#91

Naphthalene

Concen: 10.409 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

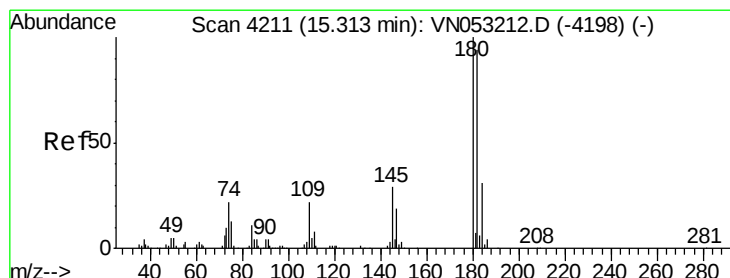
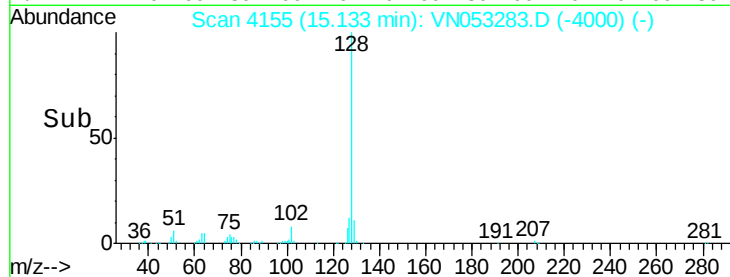
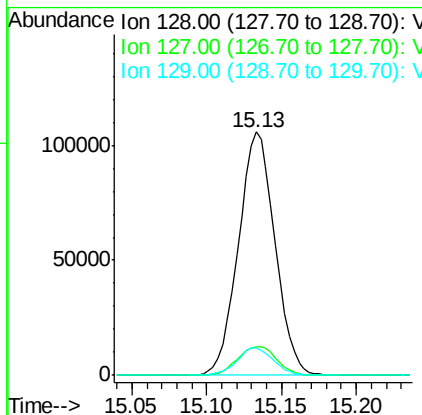
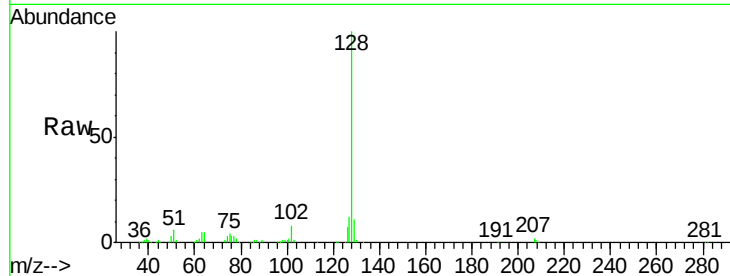
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	179572		
127	12.8	9.9	14.9	
129	11.2	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:10:06 AM



#92

1,2,3-Trichlorobenzene

Concen: 9.482 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	68781		
182	96.1	0.0	196.2	
145	31.3	0.0	62.2	

